PIONEER®
The Art of Entertainment

Service Manual

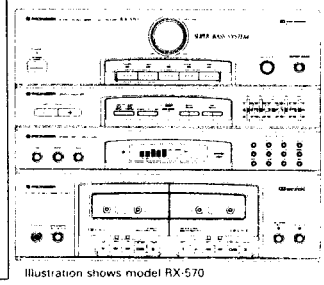
Illustration shows model RX-570

ORDER NO.
RRV1080

The chapter 1 of this Service Manual will not be reprinted. On your additional orders, we may supply only the chapter 2. For the chapter 1, please make copies and attach to the chapter 2 at your side if necessary.

STEREO DOUBLE CASSETTE DECK RECEIVER

RX-570
RX-570S
RX-370

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Type	Model			Power Requirement	Remarks
	RX-570	RX-570S	RX-370		
KUXJ	○	—	○	AC120V	
KCXJ	—	○	○	AC120V	

● **The " S " at the end of the model number indicates that the a programable remote control unit is supplied.**

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PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
PIONEER ELECTRONICS SERVICE INC. P.O. Box 1760, Long Beach, California 90801 U.S.A.
PIONEER ELECTRONICS OF CANADA, INC. 300 Allstate Parkway Markham, Ontario L3R 0P2 Canada
PIONEER ELECTRONIC [EUROPE] N.V. Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS AUSTRALIA PTY. LTD. 178-184 Boundary Road, Braeside, Victoria 3195, Australia TEL: [03] 580-9911

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CHAPTER 1

1.1 SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5).
When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

NOTICE
(FOR CANADIAN MODEL ONLY)
Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE
(POUR MODÈLE CANADIEN SEULEMENT)
Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

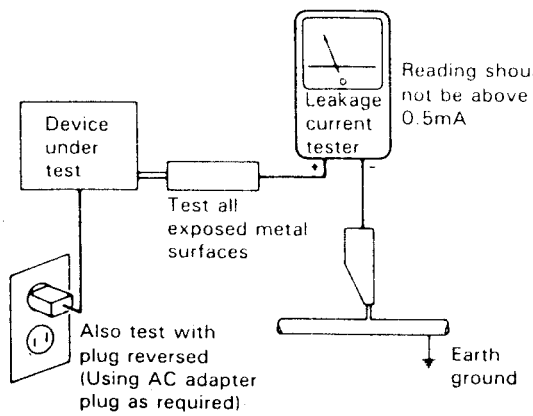
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5mA.


Leakage current tester
Reading should not be above 0.5mA
Device under test
Test all exposed metal surfaces
Also test with plug reversed (Using AC adapter plug as required)
Earth ground

AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.
The use of a substitute replacement component which dose not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

1.2 SPECIFICATIONS

CASSETTE DECK RECEIVER

Amplifier Section

[RX-570/RX-570S]

[Front]

Continuous Average Power Output is 100 Watts* per channel, min., at 8 ohms from 70 Hertz to 20,000 Hertz, with no more than 0.9 % total harmonic distortion.**

Center (RMS) ..... 25 W (1 kHz, 10 %, 8 Ω)
Rear (RMS) ..... 7.5 W + 7.5 W (1 kHz, 10 %, 8 Ω)

[RX-370]

[Front]

Continuous Average Power Output is 100 Watts* per channel, min., at 8 ohms from 70 Hertz to 20,000 Hertz, with no more than 0.9 % total harmonic distortion.**

Input (Sensitivity/Impedance)
PHONO (MM) ..... 5 mV/1 kΩ
CD, VIDEO ..... 400 mV/1 kΩ
Signal-to-Noise Ratio (IHF, short-circuited, A network)
PHONO (MM) ..... 60 dB
CD, VIDEO ..... 70 dB
Graphic Equalizer Frequency Band
..... 100 Hz, 330 Hz, 1 kHz, 3.3 kHz, 10 kHz, ±8 dB

* *Measured pursuant to the Federal Trade Commission's Trade Regulation rules on Power Output Claims for Amplifiers.*
** *Measured By Audio Spectrum Analyzer.*

FM Tuner Section

Frequency Range ..... 87.5 MHz to 108 MHz
Usable Sensitivity ..... 26 dBf, IHF (15 µV/75 Ω)
50 dB Quieting Sensitivity ..... Mono 33 dBf: (22 µV/75 Ω)
Signal-to-Noise Ratio (IHF, 85 dBf Input) ..... Mono: 60 dB
Stereo Separation ..... 26 dB (1 kHz)
Antenna Input ..... 75 Ω unbalanced

AM Tuner Section

Frequency Range ..... 530 kHz to 1,700 kHz
Sensitivity (IHF, Loop antenna) ..... 800 µV/m
Antenna ..... Loop Antenna

Cassette Tape Deck Section

Systems ..... 4 track, 2-channel stereo
Heads ..... Recording/playback head x 1
Playback head x 1
Erasing head x 1
Wow and Flutter ..... 0.3 % (WRMS)
Fast Winding Time ..... Approximately 105 seconds (C-60 tape)
Signal-to-Noise ratio
Dolby NR OFF ..... 40 dB
Noise Reduction Effect
Dolby B type NR ON ..... More than 10 dB (at 5 kHz)

Miscellaneous

Power Requirements ..... AC 120 V, 60 Hz
Power Consumption
RX-570/RX-570S ..... 270 W, 440 VA
RX-370 ..... 220 W, 330 VA
AC Outlet Switched x 1 ..... 100 W (0.8 A) MAX
Dimensions ..... 420 (W) x 351.5 (H) x 345 (D) mm
16-9/16 (W) x 13-13/16 (H) x 13-9/16 (D) in
Weight (without package)
RX-570/570S ..... 11 kg (24 lb 4 oz)
RX-370 ..... 9.5 kg (20 lb 15 oz)

Accessories

FM Antenna 1
AM Loop Antenna 1
Operating Instructions 1
Remote Control Unit 1
Dry Cell Batteries 2
RX-570S:
Operating Instructions for the Remote Control 1
Warranty card 1

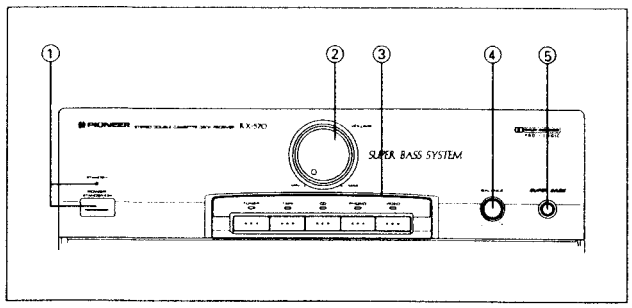
NOTE:
- *Specifications and design are subject to possible modifications without notice due to improvements.*

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

1.3 PANEL FACILITIES

■ AMPLIFIER SECTION



① POWER (STANDBY/ON) switch and STANDBY indicator

This is the switch for electric power.

ON : When set to the ON position, power is supplied and the unit becomes operational.

STANDBY : When set to the STANDBY position, the main power flow is cut and the unit is no longer fully operational. A minute flow of power feeds the unit to maintain operation readiness.
When the STANDBY indicator is on, the unit is in STANDBY.

Disconnect the power cord from the power outlet when you do not plan to use the cassette deck receiver for a long period of time.

② VOLUME control

The volume is increased when this control is turned clockwise, decreased when turned counterclockwise.

③ FUNCTION buttons/indicator

The indicators light for the specified functions.

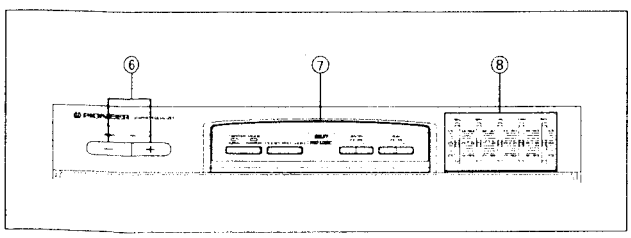
④ BALANCE control

Use this control to adjust the left—right balance for the front speakers.

⑤ SUPER BASS control button

Set to ON to emphasize bass sounds. The S.BASS of the tuner section display lights.

■ GRAPHIC EQUALIZER SECTION

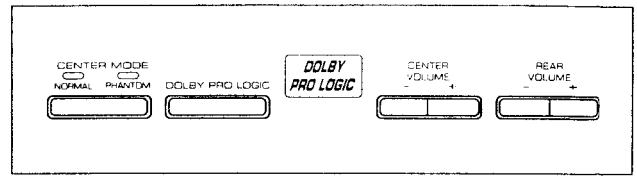


⑥ TUNING buttons (−, +)

These are used to locate stations. Push the "−" button to locate a station broadcasting on a lower frequency and the "+" button to locate a station on a higher frequency.

⑦ SURROUND function button(s)/indicator (RX-570/RX-570S only)

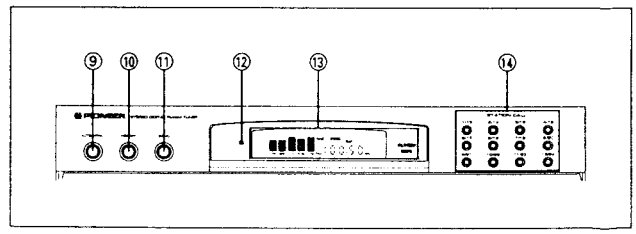
Surround play back is not possible with a monophonic sound source (no sound from rear speaker).



CENTER MODE button/indicator
This button selects the surround center mode.
DOLBY PRO LOGIC surround button/indicator
Use this control to independently adjust the center volume balance.
CENTER VOLUME control
Use this control to independently adjust the center speaker system volume level for the optimum front-center volume balance.
The CENTER of the tuner section display lights.
REAR VOLUME control
Use this control to independently adjust the rear speaker system volume level for the optimum front-rear volume balance.
The REAR of the tuner section display lights.

⑧ GRAPHIC EQUALIZER controls

■ TUNER SECTION



⑨ AUTO/MONO button

Switches between AUTO and MONO each time it is pressed.

AUTO : Normally, leave in this mode for reception. When a stereo FM broadcast is received, it will be automatically reproduced in stereo.

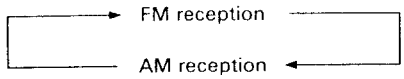
MONO : It may not be possible to tune in a desired FM station because it is too far away or because its signals are too weak. In cases like these, press the button to set the reception to the monaural mode (MONO indicator lights) and tune in the station. The FM stereo broadcast will be heard in mono. This button will not function for AM reception. The MONO setting is memorized along with station frequency when presetting a station.

⑩ MEMORY button

This button is used to memorize stations. When the button is pressed, the frequency indication will flash. To memorize the frequency of any station, press one of the STATION CALL buttons while the frequency indication is flashing. After that, press the MEMORY button.

⑪ BAND selector button (FM/AM)

This is used to select the band of the desired station. The bands change alternately each time the button is pressed.



⑫ REMOTE SENSOR window

⑬ Display section

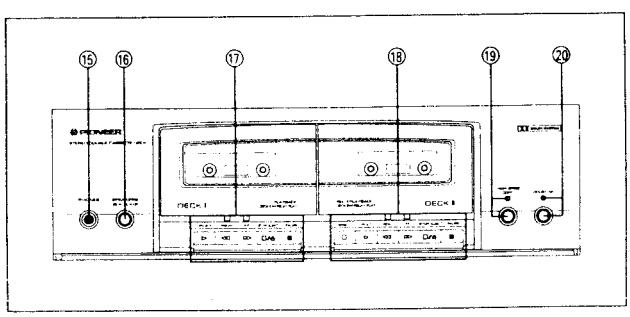
Shows the received broadcast frequency or station call number, reception conditions, and graphic equalizer level settings.

FM and MHz light : FM reception
AM and kHz light : AM reception
Channel display : Station call no. display
STEREO indicator : Lights when an FM stereo broadcast is received.
TUNED indicator : Lights when a broadcast is received and tuned in well.
Spectrum analyzer display : 5 band level display
MULTI-TOOM REMOTE indicator : Flashes when the signal is received.

⑭ STATION CALL buttons

These are used to preset stations and recall preset stations.

■ CASSETTE DECK SECTION



Use TYPE I (Normal) tapes.

⑮ PHONES jack

This is a "standard plug-type jack" for headphones.

NOTE:
Sound is not heard from the speakers when headphones are in use.

⑯ SPEAKERS button (■ A, ▬ A+B)

This is used to select the speaker through which you wish to listen.

■ A : When the speakers connected to A terminals are in use.
▬ A+B : When the speakers connected to A and B terminals are in use.
(There is no sound at this position when speakers are connected only to the A terminals.)

Be sure to use A terminals when you are using one pair of speakers only. No sound will be heard through the speakers when only one pair of speakers are connected to B terminals.

⑰ DECK I buttons

► (PLAY) : Playback
◄◄ (REW) : Rewind
►► (FF) : Fast forward
■/≙ (STOP EJECT) : Stops tape travel. Ejects cassette if pressed when tape is stopped.
II (PAUSE) : Stops temporarily. The pause mode is canceled when the button is pressed again.

⑱ DECK II buttons

● (REC) : Set to the recording mode.
► (PLAY) : Playback
◄◄ (REW) : Rewind
►► (FF) : Fast forward
■/≙ (STOP EJECT) : Stops tape travel. Ejects cassette if pressed when tape is stopped.
II (PAUSE) : Stops temporarily. The pause mode is canceled when the button is pressed again.

⑲ HIGH SPEED COPY button/indicator

This is used for high speed copying.

NOTE:
When the HIGH SPEED COPY indicator lights (copy standby mode), the playback operation is not available for only DECK I or only DECK II, and the recording operation is available for DECK II only.

⑳ DOLBY* NR button/indicator

Press to activate the DOLBY NR system. Use to play back tapes recorded using Dolby B-type NR.

- Tapes recorded using Dolby B-type NR should always be played back with the noise reduction system on. Sound quality will be adversely affected if they are played back with the system off, or if tapes recorded using a different noise reduction system are played back with the Dolby B-type NR system on.
- It is recommended that tapes recorded using DolbyB -type NR be so marked on the label. This will help prevent incorrect setting of the noise reduction button during playback.

*

- *Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.*
- *"DOLBY" and the double-D symbol ⊡⊡ are trademarks of Dolby Laboratories Licensing Corporation.*

■ REMOTE CONTROL UNIT (CU-AV010)

Buttons explained on this page determine operation of the remote control system itself. The actual buttons used for operating remote controlled components are explained on pages four through seven.

POWER switch:

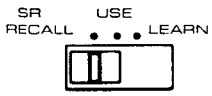
For AMP, TV and LD power on/off switching.
The RX-570S can be powered on and off by using the AMP button.

TRANSMIT/LEARN indicator:

When the SR RECALL/USE/LEARN selector is at the SR RECALL or USE position:
The indicator flashes when a remote command button is pressed.
When the SR RECALL/USE/LEARN selector is at the LEARN position:
The indicator lights when the unit is in the LEARNING STANDBY mode.

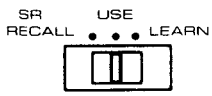
SR RECALL/USE/LEARN selector:

SR RECALL:



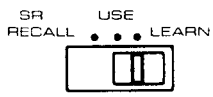
Set to this position when you wish to control only Pioneer components bearing the SR mark.

USE:



Set to this position if the remote control unit will be used to control both Pioneer components bearing the SR mark, and other components which use "learned" commands.

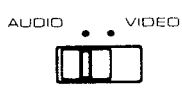
LEARN:



Set to this position when "teaching" this remote the commands of other remotes.

TRANSMIT mode switch:

AUDIO MODE:



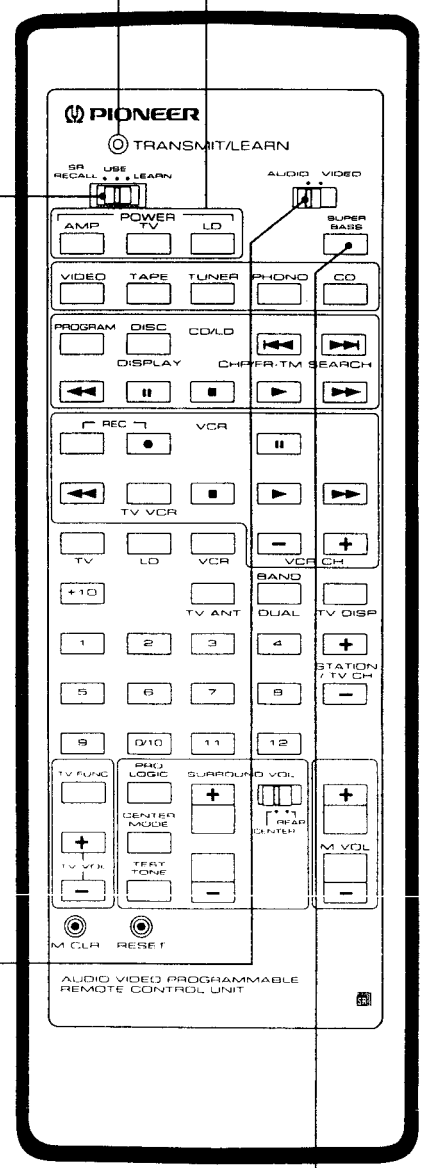
Set to this position for remote operation of CD players, tuners, and other audio components.

VIDEO MODE:

Set to this position for remote operation of LD, TV and VCR.

SUPER BASS button:

Use to switch the Super Bass function ON/OFF(for emphasized bass sound).



[RX-570S only]
For details regarding use of the remote control unit, see the Operating Instructions booklet.

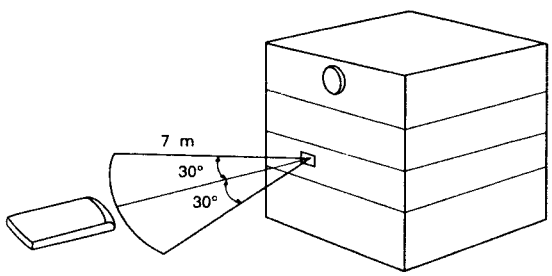
Range of remote control

When the remote control unit is pointed at the REMOTE SENSOR window on the deck receiver and any of its buttons is pressed, the cassette deck receiver and other components can be operated by remote control.

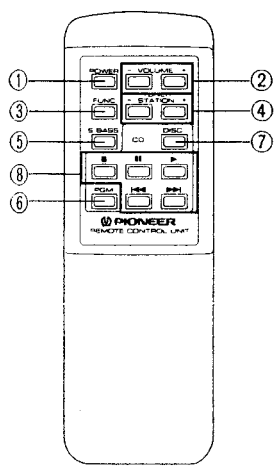
Distance : Within a range of approx. 7 meters from the REMOTE SENSOR window.

Angle : Within approx. 30 degrees from the center of the REMOTE SENSOR window.

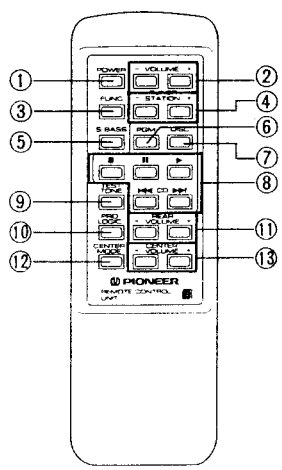
Remote control will not be possible if there is an obstacle between the remote control unit itself and the REMOTE SENSOR window. Performance of the remote control unit is adversely affected in the presence of strong fluorescent light. Keep such lights away, especially from the sensor window.



[RX-370]



[RX-570]



① POWER button

When the power to this unit is ON, you can switch power ON and OFF (Standby) with the POWER button on the remote control.

② VOLUME – (down), + (up) buttons

Increases/decreases the sound volume of the unit.

③ FUNCTION selector button

④ TUNER STATION – (down), + (up) buttons

Before operation, memorize broadcast stations with the STATION CALL buttons.

\+ ..... Stations change in order in the upward direction.

– ..... Stations change in order in the downward direction.

⑤ SUPER BASS button

Use to switch the SUPER BASS function ON/OFF (for emphasized bass sound).

⑥ CD PGM (Program) button

Use this button to perform program play on a CD player only. Refer to the CD player's operating instructions in detail.

⑦ DISC button

Use this button for disc selection on a multi-play CD player. Refer to the CD player's operating instructions in detail.

⑧ CD operation buttons

■ : Stop

▮▮ : Pause

► : Playback

⏮, ⏭ : Track search

Refer to the CD player's operating instructions in detail.

⑨ TEST TONE button (RX-570 only)

When the unit is in surround mode and the test tone button is pressed ON, a test tone sound will be output from each speaker in turn. Use this function to assist you when adjusting your equipment controls so that the volume from all channels is equal.

⑩ PRO LOGIC button (RX-570 only)

Use this button to switch the DOLBY PRO LOGIC SURROUND mode on and off.

⑪ REAR VOLUME – (down), + (up) button (RX-570 only)

Use this control to independently adjust the rear speaker system volume level for the optimum front-rear volume balance.

⑫ CENTER MODE button (RX-570 only)

Use this button to select between PHANTOM and NORMAL in order to set the correct surround center mode.

⑬ CENTER VOLUME – (down), + (up) buttons (RX-570 only)

Use this control to independently adjust the center speaker system volume level for the optimum front-center volume balance.

1.4 ADJUSTMENTS

(1). TUNER SECTION

■ FM Tuner Section

- Set the mode selector to FM BAND.
- Connect the wiring as shown in Fig. 1−1.

Step No.	Adjustment Title	FM SG (1kHz, ±75kHz dev.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (MHz)	Level (dBμV)			
1	Center Adjustment	98 Non modulation	80 or more	98MHz	L6207	Adjust so that the DC voltage between Pin 4 and Pin 28 of IC6201 becomes 0V±50mV.
2	Front End Sencitivity	98	10−30	98MHz	L6102 T6101	Adjust so that the DC voltage of the Pin12 of IC6201 (S-meter) becomes at maximum level.
3	TUNED IND. Lighting Level	98	15±2	98MHz	VR6201	Adjust so that the indicators of TUNED IND. start to light up.

Notes:

- *Before adjusting, make sure there is no gap between L6101 and L6102. If there is a gap between them, bring them into contact with each other first, and then make adjustments.*
- *Make indicator adjustments in order of AM → FM.*

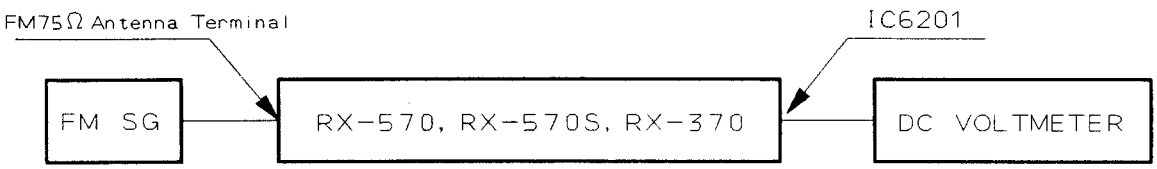


Fig. 1−1 FM Adjustment Connection Diagram

■ AM Tuner Section

- Set the mode selector to AM BAND.
- Connect the wiring as shown in Fig. 1−2.

Step No.	Adjustment Title	AM SG (400Hz, 30% Mod.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (kHz)	Level (dBμV/m)			
1	TUNED IND. Lighting Level	999	47±2	999kHz	VR6202	Adjust so that the indicators of TUNED IND. start to light up.

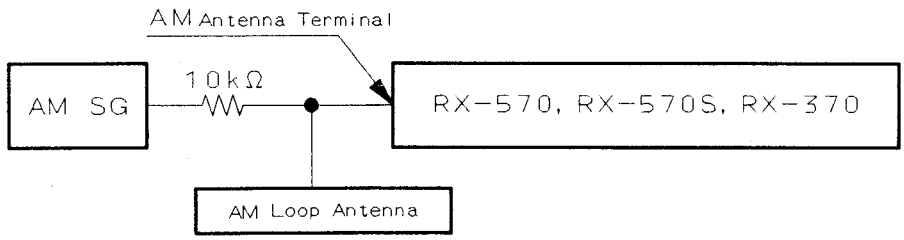


Fig. 1−2 AM (MW) Adjustment Connection Diagram

FM/AM TUNER MODULE

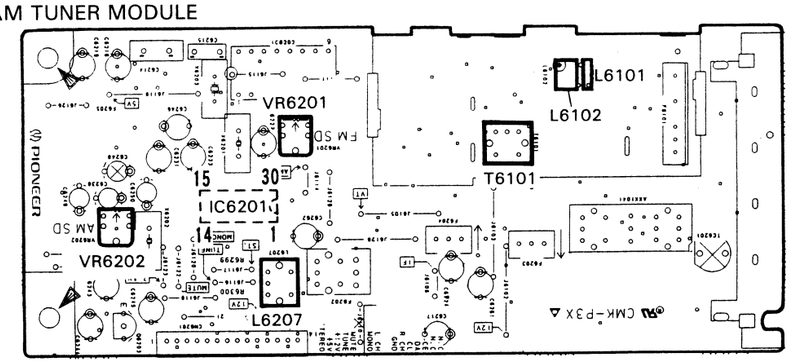


Fig. 1−3 Adjustment Points

(2). POWER AMP MODULE SECTION (Refer to Fig. 2−1.)

1. Handling Precautions

- Since the heat sink and transistor metallic parts are connected to the Front Amp output, make sure they do not contact the GND (chassis) or other circuits.
- Since there is residual high voltage in the Power Amp Module Assy ±B1 (FRONT ASSY FOR 100W) and ±B2 (REAR, PWR, PRTEC ASSY) even when the power is OFF, caution should be exercised. (If necessary, the voltage should be discharged).
- When handling the Power Amp Module Assy, make sure you do not touch the fan motor blade.

2. Adjustment and Confirmation of Idle Current

- Basically, the idle current needs to be confirmed when replacing a power transistor, driver transistor, or bias transistor, or when the entire split board Assy of the Power Amp Module Assy has been replaced.
- Make sure the heat sink has cooled sufficiently before measuring the idle current. (Temperature should be the same as room temperature; 25°C is ideal, if possible.)
- Idle current stipulated value: 3−50mA.

■ Front Amp Side (FRONT ASSY FOR 100W)

Step	Measurement	Item	Remarks
1	Lch side	Short both sides of C7123 and C7124 on the Rear Amp side.	Do not operate the Rear Amp side.
2		Insert a resistor (0.22Ω, 3W or more) in series in the connector CN7502 +B1 (or −B1) line (terminal No. 5 or 6). (Refer to Fig. 2−2.)	For measuring voltage at both sides of resistor
3		Short both sides of C7524.	Do not operate Rch side.
4		Turn the power ON, wait 6 seconds, and then measure the resistance voltage in Step 2.	Lch Idle current I=V/0.22 (Ω)
5	Rch side	● Same as Steps 1 and 2 above. ● Short both sides of C7523.	Do not operate Lch side.
6		Turn the power ON under the above conditions, and after 6 seconds measure the resistance voltage in Step 2.	
7	——	If the measured idle current is greater than 50mA, perform the following procedure.	
8	Lch side	Short between the Point Ⓐ pattern in Fig. 2−3 using solder.	Connect R7517 to R7515 in a parallel circuit.
9	Rch side	Short between the Point Ⓑ pattern in Fig. 2−3 using solder.	Connect R7518 to R7516 in a parallel circuit.
10	——	After performing Steps 8 and 9, remeasure the idle current and confirm that it is below 50mA.	

Step	Measurement	Item	Remarks
11	——	If the idle current is below 3mA, perform the following procedure.	
12	Lch side	Short between the point Ⓒ pattern in Fig.2−3 using solder.	Connect R7551 to R7519 in a parallel circuit.
13	Rch side	Short between the point Ⓓ pattern in Fig.2−3 using solder.	Connect R7552 to R7520 in a parallel circuit.
14	——	After performing step Ⓒ and Ⓓ, remeasure the idle current and confirm that it is greater than 3mA (within 3−50mA).	

Note : The above step 1 is applied to AWZ5537 of RX−570 and RX−570S only.

■ Rear Amp Side (REAR, PWR, PRTEC ASSY) ··· Applied to RX−570 and RX−570S only

Step	Measurement	Item	Remarks
1	Center amp side	Short both sides of C7523 and C7524 on the Front Amp side.	Do not operate the Front Amp side.
2		Insert a resistor (0.22Ω, 2W or more) in series in the connector CN7102 +B2 (or −B2) line (terminal No. 5 or 6). (Refer to Fig. 2−4.)	For measuring voltage at both sides of resistor
3		Short both sides of C7124 on the Surround Amp side.	Do not operate the Surround Amp.
4		Turn the power ON, wait 6 seconds, and then measure the resistance voltage in Step 2.	Idle current: I = V/0.22 (Ω)
5	Surround amp side	● Same as Steps 1 and 2 above. ● Short both sides of C7123 on Surround Amp side.	Do not operate Surround Amp.
6		Turn the power ON under the conditions in Steps 1 and 2, and after 6 seconds measure the resistance voltage in Step 2.	
7	——	If the measured idle current is greater than 50mA, perform the following procedure.	
8	Center amp side	Short between the Point Ⓔ pattern in Fig. 2−5 using solder.	Connect R7117 to R7115 in a parallel circuit.
9	Surround amp side	Short between the Point Ⓕ pattern in Fig. 2−5 using solder.	Connect R7118 to R7116 in a parallel circuit.
10	——	After performing Steps 8 and 9, remeasure the idle current and confirm that it is below 50mA.	
11	——	If the idle current is below 3mA, perform the following procedure.	
12	Center amp side	Short between the point Ⓖ pattern in Fig.2−5 using solder.	Connect R7151 to R7119 in a parallel circuit.
13	Surround amp side	Short between the point Ⓗ pattern in Fig.2−5 using solder.	Connect R7152 to R7120 in a parallel circuit.
14	——	After performing step Ⓖ and Ⓗ, remeasure the idle current and confirm that it is greater than 3mA (within 3−50mA).	

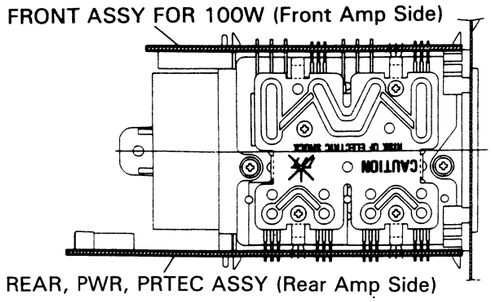


Fig. 2−1 Power Amp Module
(POWER MOD. F100+R20)
(POWER MOD. F100)

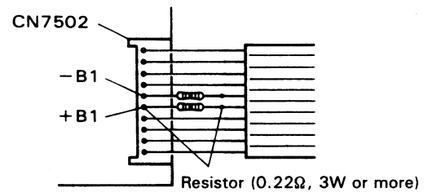


Fig. 2−2 FRONT ASSY FOR 100W

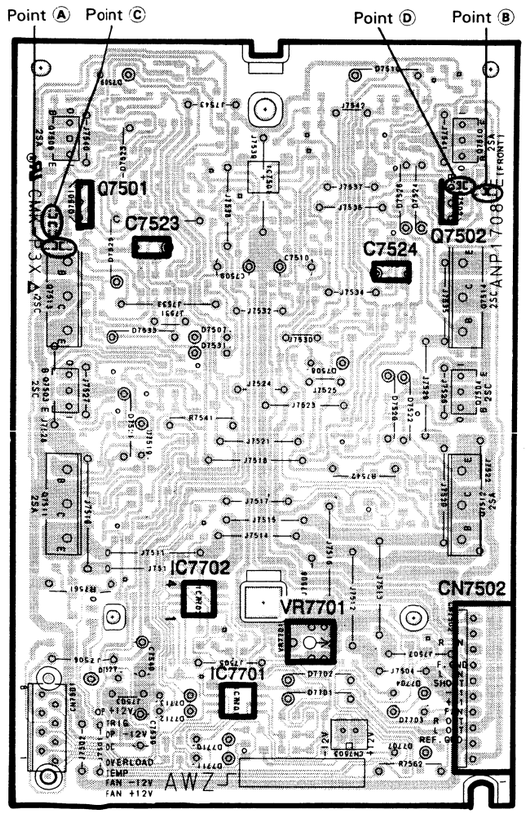


Fig. 2−3 FRONT ASSY FOR 100W

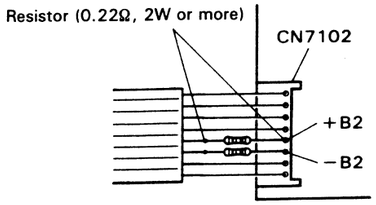


Fig. 2−4 REAR, PWR, PRTEC ASSY

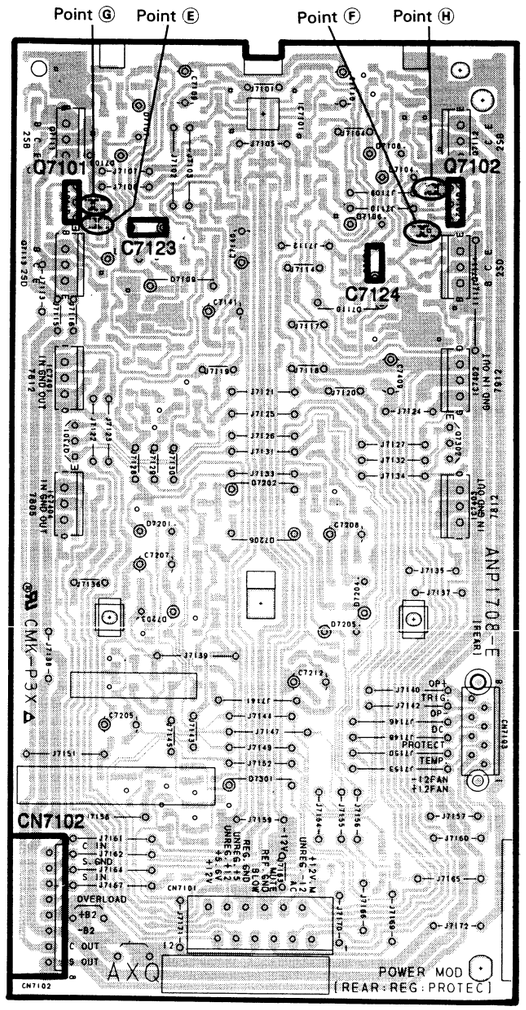


Fig. 2−5 REAR, PWR, PRTEC ASSY

3. Adjusting the Operating Temperature Setting of the Fan Motor (VR7701)

This adjustment is necessary when IC7403 (+12V regulator), Q7301 and Q7302 (temperature sensors), or VR7701 has been replaced, or when the entire split board Assy of the Power Amp Module Assy has been replaced.

■ Adjustment-Related Cautions

- Make sure the heat sink has sufficiently cooled (is the same as room temperature Ta.)
- Once the power has been turned ON, make measurements and adjustments as quickly as possible. (If too much time is taken, the heat sink temperature will rise, and the measurements will deviate from the Ta measurement point.)

■ Adjustment

1. Connect a voltmeter between TEMP and TP (or between IC7702 terminals No.3 and 2). (Refer to Figs. 2−3 and 2−6.)
2. Determine the fan motor operating temperature setting by means of the following formula. (Tolerance is within ±30mV.)
   Formula: (85°C − Ta) × 19 (mV)
   Ta: ambient temperature (°C)
3. Adjust VR7701 so that the voltage between TEMP and TP is the value obtained from the above formula.
   For example:
   when the room temperature is 25°C,
   set value = (85 − 25) × 19 (mV)
   = 1140mV (tolerance within ±30mV).

Note:
Adjustment during service should be ±30mV, but if this value cannot be obtained with the measuring instruments used for adjustment, ±50mV is acceptable.

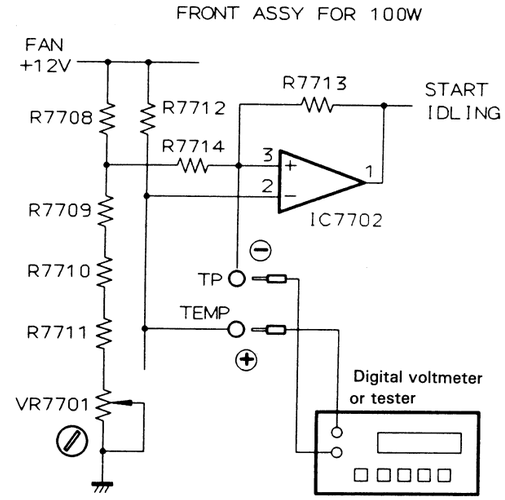


Fig. 2−6 Adjustment of Operating Temperature Setting of Fan Motor

(3). PRO-LOGIC ADJUSTMENT (RX−570)

- Input signal : L, R negative phase, 1kHz sine wave
  Input when pin29 of LA2780 reaches 300mV.
- Adjustment method : Adjust VR1601 so that 300mV is output to pin46 of LV1001M.

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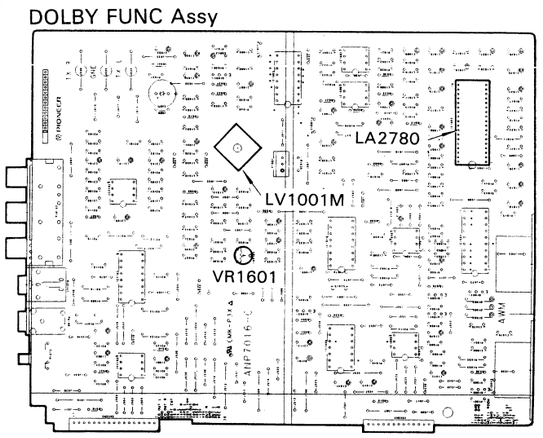

Fig. 3−1 Adjustment Points

(4). CASSETTE DECK SECTION

1. Adjustment of Mechanical Section

● Tape Speed Adjustment

Test tape : STD−301E (3kHz 30min)

No.	Mode	Input signal & Test tape	Adjustment location		Measuring location	Adjustment value	Remarks
1	PLAY	Playback the STD-301E tape to 3kHz.	Deck I	DISPLAY assy VR4951	AF assy TP4401	Press the PLAY button and adjust the frequency to 3010Hz ±10Hz. Make sure that the wow and flutter is within 0.3%.	
2		Set the HIGH SPEED COPY switch to ON.					
3	HIGH SPEED	Playback the STD-301E tape to 3kHz.	Deck I	——	——	Press the PAUSE button.	
4		Set test tape STD−631.	Deck II	——	——	Press the REC button. (HIGH SPEED COPY to start.)	
5		——	——	DISPLAY assy VR4952	AF assy TP4401	Adjust so that the frequency to 6020Hz ±20Hz.	

2. Adjustment of Electric Section

■ Check and conduct the following before adjusting the electric section.

1. Adjustment of tape speed has been completed.
2. Clean and demagnetize the head using a head eraser.
3. When measured, the level should be 0dBV = 1 Vrms.
4. Use side A of the specified tape for adjustment.
   STD−331E : For adjustment of playback system.
   STD−631 : NORMAL blank tape
5. Prepare the following measuring devices :
   AC millivoltmeter, Low-frequency oscillator, Attenuator, Oscilloscope
6. Adjust both L and R channels, unless specified otherwise.
7. Set the DOLBY NR switches to OFF.
8. Warm up the unit for several minutes before adjustment. Especially before adjusting the frequency characteristics of recording and playback, warm up for 3 to 5 minutes in REC/PLAY mode.
9. Make sure to follow the proper order of the adjustment procedure. Any change in the order may cause an improper result.

List of Adjustment

Deck I

1. Head Azimuth Adjustment
2. Playback Level Adjustment

Deck II

1. Head Azimuth Adjustment
2. Playback Level Adjustment
3. Recording Level and Bias Level Adjustment

Note :

As the reference recording level is 250nwb/m for STD−331E, the recording level will be higher by 4 dB for STD−331B (160nwb/m). When adjusting, pay carefull attention to the type of tape used.

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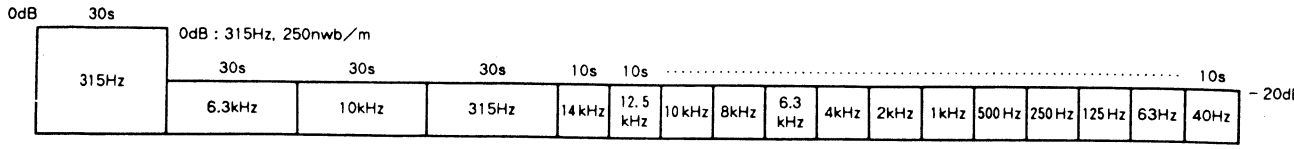


Fig. 4−1 Test tape STD−331E

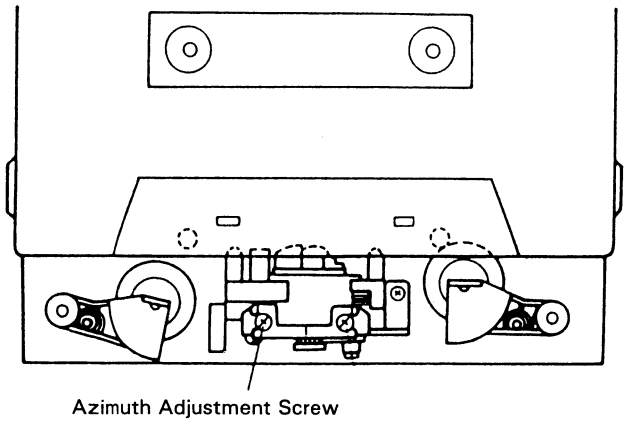
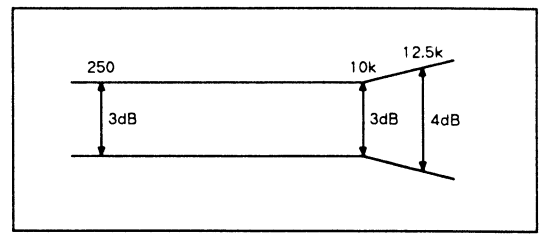


Fig. 4−2 Head Azimuth Adjustment

PLAY BACK



RECORDING

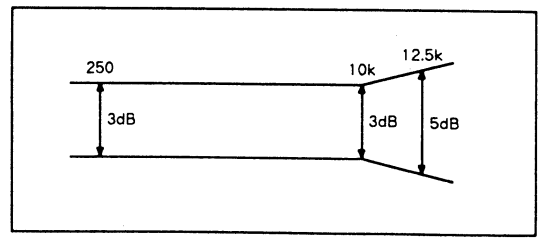


Fig. 4−3 Frequency Characteristics

■ Head Adjustment of Deck I and Deck II

1. Head Azimuth Adjustment

Procedure	Tape selector	Mode	Input signal/ Test tape	Deck	Adjustment location	Measuring location	Adjustment value	Remarks
1	NORM	PLAY	Playback the test tape STD−331E (10kHz, −20dB).	I	Head azimuth adjustment screw (Fig. 4−2)	AF assy TP4401 TP4403	Adjust so that the signal level is at maximum and the phase difference is zero (0).	Lock the screw with screw lock after completing adjustment.
				II				

2. Playback Level Adjustment

Procedure	Tape selector	Mode	Input signal/ Test tape	Deck	Adjustment location	Measuring location	Adjustment value	Remarks
1	NORM	PLAY	Playback the test tape STD−331E (315Hz, 0dB).	I	AF assy VR4403 (Lch) VR4404 (Rch)	AF assy TP4401 (Lch) TP4403 (Rch)	−1.2dBV ±0.5dB	
				II	AF assy VR4401 (Lch) VR4402 (Rch)			

■ Head Adjustment of Deck II

3. Recording Level and Bias Level Adjustment

● Before starting adjustment, turn VR4351 and VR4352 by 45 degrees counterclockwise from the mechanical center.

Pro-cedure	Tape selector	Mode	Input signal/test tape	Adjustment location	Measuring location	Adjustment value	Remarks
1	NORM	REC PAUSE	Inputs 315Hz to the CD RCA input terminal. Set the function to CD. Set test tape STD−631.	Input signal level	AF assy TP4401 (Lch) TP4403 (Rch)	Set the input signal to be −25.2dBV.	
2		REC/ PLAY	Record and playback the test tape STD−631.	AF assy VR4301 (Lch) VR4302 (Rch)		Repeat recording/playback until the playback level of 315Hz is −25.2dBV ±0.5dBV.	(REC level adjustment)
3		REC PAUSE	Inputs 10kHz to input terminal. Set the function to CD. Set test tape STD−631.	Input signal level		Set the input signal to be −25.2dBV.	
4		REC/ PLAY	Record and playback the test tape STD−631.	AF assy VR4351 (Lch) VR4352 (Rch)		Repeat recording/playback until the playback level of 10kHz is −25.2dBV ±0.5dBV.	(Bias level adjustment)
5	Repeat Steps 1−4 until both 10kHz and 315Hz satisfy the standard.						
6	Adjust VR4302 for the Rch also, following the procedure in Steps 1−5 above.						

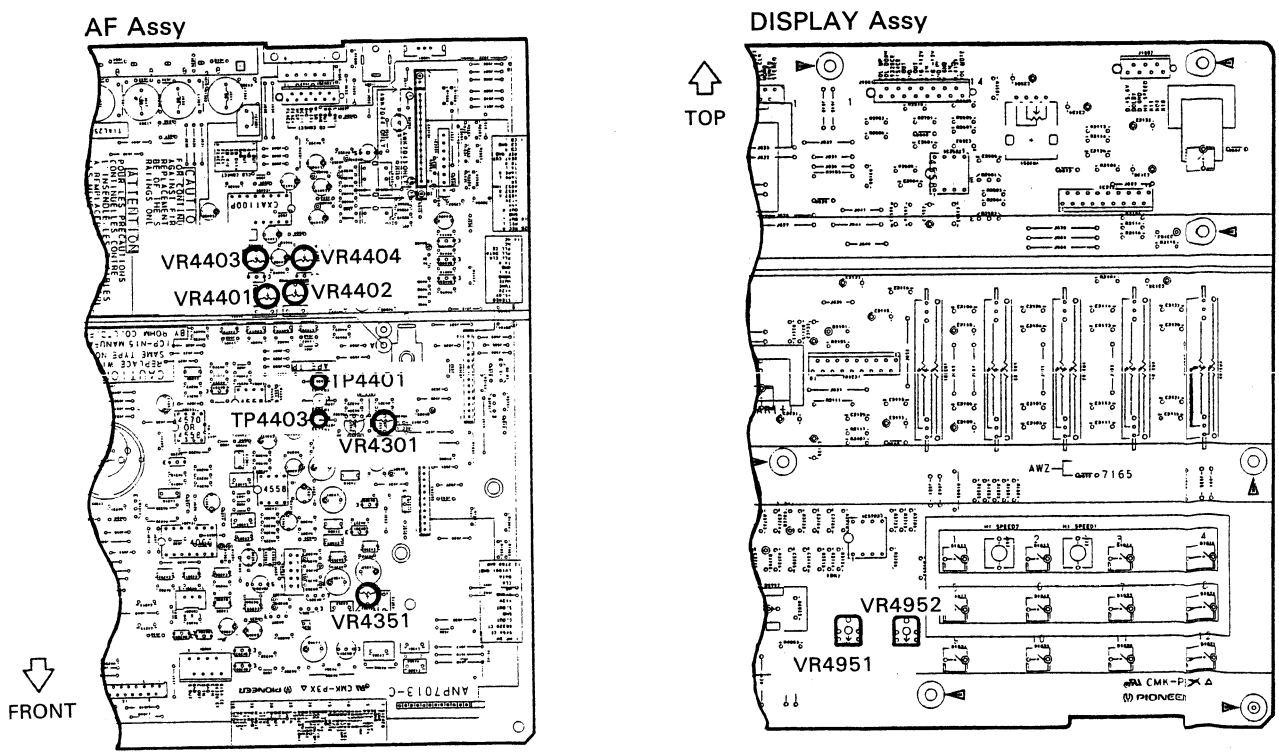


Fig. 4−4 Adjustment Points

1.5 PARTS LIST FOR PACKING AND EXPLODED VIEWS

NOTES :

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*

(1). PACKING

■ CONTRAST OF RX−570/KUXJ, RX−570S/KCXJ, RX−370/KUXJ AND KCXJ

RX−570/KUXJ, RX−570S/KCXJ, RX−370/KUXJ and KCXJ have the same construction except for the following :

Mark	No.	Description	Part No.				Remarks
			RX−570	RX−570S	RX−370		
			KUXJ	KCXJ	KUXJ	KCXJ	
	2	Remote control unit (CU−RX021)	AXD7013	Not used	Not used	Not used	
	2	Remote control unit (CU−AV010)	Not used	AXD7014	Not used	Not used	
	2	Remote control unit	Not used	Not used	AXD7010	AXD7010	
	7	Packing case	AHD7031	AHD7032	AHD7030	AHD7030	
	9	Battery cover	AZA7028	*1	AZA7028	AZA7028	
NSP	10	Battery (R6P, AA)	AEX−010	Not used	AEX−010	AEX−010	
NSP	10	Battery (LR6, AA)	Not used	AEX1007	Not used	Not used	
	12	Operating instructions (French)	Not used	ARC7017	Not used	ARC7017	
	13	Operating instructions (For remote control unit) (English, French)	Not used	ARE7013	Not used	Not used	

*Note. *1 : Refer to "2.4 REMOTE CONTROL UNIT".*

■ PARTS LIST FOR RX−570/KUXJ

Mark	No.	Description	Parts No.
	1	OPERATING INSTRUCTIONS (English)	ARB7011
	2	REMOTE CONTROL UNIT (CU−RX021)	AXD7013
	3	FM ANTENNA	ADH1017
	4	LOOP ANTENNA (L8004)	ATB1009
	5	FRONT PAD (PS)	AHA7018
	6	REAR PAD (PS)	AHA7019
	7	PACKING CASE	AHD7031
NSP	8	SHEET	AHG7002
	9	BATTERY COVER	AZA7028
NSP	10	BATTERY (R6P, AA)	AEX−010
NSP	11	BAG	AHG1105

(2). EXTERIOR (1/2)

■ CONTRAST OF RX−570/KUXJ, RX−570S/KCXJ, RX−370/KUXJ AND KCXJ

RX−570/KUXJ, RX−570S/KCXJ, RX−370/KUXJ and KCXJ have the same construction except for the following :

Mark	No.	Description	Part No.				Remarks
			RX−570	RX−570S	RX−370		
			KUXJ	KCXJ	KUXJ	KCXJ	
	4	VOLUME assy	AWZ7169	AWZ7169	AWZ7168	AWZ7168	
⚠	5	T1 Power transformer	ATS7021	ATS7021	ATS7020	ATS7020	
	8	Rear panel	ANC7079	ANC7091	ANC7078	ANC7090	
	9	AF assy	AWZ7159	AWZ7159	AWZ7158	AWZ7158	
NSP	12	DOLBY FUNC assy	AWZ7177	AWZ7177	Not used	Not used	
NSP	15	SUB SP OUT assy	AWZ7179	AWZ7179	Not used	Not used	
	20	POWER MOD. F100+R20	AXQ3119	AXQ3119	Not used	Not used	*
	20	POWER MOD. F100	Not used	Not used	AXQ3117	AXQ3117	*
	31	FUNCTION assy	Not used	Not used	AWZ7161	AWZ7161	

** : Refer to "(4). POWER MODULE SECTION".*

■ PARTS LIST FOR RX−570/KUXJ

Mark	No.	Description	Parts No.
	1	CHASSIS (MTL)	ANA7008
	2	CORD CLAMPER (STEEL)	RNH−184
	3	.....	
	4	VOLUME ASSY	AWZ7169
⚠	5	POWER TRANSFORMER (T1)	ATS7021
NSP	6	ASSEMBLY HOLDER L (MTL)	ANG7003
NSP	7	ASSEMBLY HOLDER R (MTL)	ANG7004
	8	REAR PANEL (MTL)	ANC7079
	9	AF ASSY	AWZ7159
NSP	10	FUSE CARD	AAX1180
⚠	11	FUSE (6.3A/125V, FU601)	AEK−309
NSP	12	DOLBY FUNC ASSY	AWZ7177
	13	.....	
	14	FM/AM TUNER MODULE	AXQ3112
NSP	15	SUB SP OUT ASSY	AWZ7179
⚠	16	AC POWER CORD	PDG1015
	17	CORD STOPPER	AEP−113
⚠	18	AC SOCKET 1−P	AKP1015
	19	SECONDARY ASSY	AWZ7162
	20	POWER MOD. F100+R20	AXQ3119
	21	SP. KNOB (PLS)	AAD7029
	22	BALANCE KNOB (PLS)	AAB7016
	23	VOL. KNOB (PLS)	AAB7015
	24	BONNET CASE (MTL)	ANE7020
	25	NYLON BINDER	AEC−093

Mark	No.	Description	Parts No.
	26	SCREW	BBZ3OP080FMC
	27	SCREW	BBZ3OP080FZK
	28	SCREW	BBZ4OP080FZK
	29	SCREW	VPZ3OP080FZK
	30	SCREW	BBZ3OP060FMC

(3). EXTERIOR (2/2)

■ CONTRAST OF RX−570/KUXJ, RX−570S/KCXJ, RX−370/KUXJ AND KCXJ

RX−570/KUXJ, RX−570S/KCXJ, RX−370/KUXJ and KCXJ have the same construction except for the following :

Mark	No.	Description	Part No.				Remarks
			RX−570	RX−570S	RX−370		
			KUXJ	KCXJ	KUXJ	KCXJ	
	1	Front panel	AMB7048	AMB7048	AMB7047	AMB7047	
	2	GEQ panel	AAK7044	AAK7044	AAK7042	AAK7042	
	3	TUNER panel	AAK7045	AAK7045	AAK7043	AAK7043	
	20	DOL SURR button	AAD7031	AAD7031	Not used	Not used	
	29	DISPLAY assy	AWZ7165	AWZ7165	AWZ7164	AWZ7164	
	32	HEADPHONE assy	AWZ7163	AWZ7163	AWZ7262	AWZ7262	

■ PARTS LIST FOR RX−570/KUXJ

Mark	No.	Description	Parts No.
	1	FRONT PANEL (PLS)	AMB7048
	2	GEQ PANEL (PVC)	AAK7044
	3	TUNER PANEL (PVC)	AAK7045
	4	AMP. PANEL (PVC)	AAK7038
	5	CASSETTE DOOR (L)	AAN7014
	6	CASSETTE DOOR (R)	AAN7015
	7	DOOR PANEL L (PVC)	AAK7036
	8	DOOR PANEL R (PVC)	AAK7037
	9	KEEP PLATE	ABK1017
	10	SPRING	ABH1078
	11	.....	
	12	P. BASS LENS	AAK2243
	13	POWER BUTTON (PLS)	AAD7025
	14	S. BASS BUTTON (PLS)	AAD7028
	15	BAND BUTTON (PLS)	AAD7032
	16	TUNING BUTTON (PLS)	AAD7027
	17	COPY BUTTON (PLS)	AAD7030
	18	STATION BUTTON (PLS)	AAD7026
	19	FUNCTION BUTTON (PLS)	AAD7024
	20	DOL SURR BUTTON (PLS)	AAD7031
	21	DECK KNOB A (PLS)	AAE7006
	22	DECK KNOB B (PLS)	AAE7007
	23	DECK KNOB C (PLS)	AAE7008
	24	DECK KNOB D (PLS)	AAE7009
	25	DECK KNOB E (PLS)	AAE7010
	26	DECK KNOB F (PLS)	AAE7011
NSP	27	DECK KNOB HOLDER (MTL)	ANG7008
	28	DUMPER ASSY	AXA1008
	29	DISPLAY ASSY	AWZ7165
⚠	30	FLEXIBLE CABLE (J)	ADD1112
	31	POWER SW ASSY	AWZ7167
	32	HEADPHONE ASSY	AWZ7163
	33	TAPE IND ASSY	AWZ7170
	34	CASSETTE MECHA UNIT	AWY1174
	35	CUSHION RUBBER	AEB7002
	36	SCREW (STEEL)	ABA1095
	37	SCREW	BPZ26P080FMC
	38	SCREW	VPZ30P080FMC

(4). POWER MODULE SECTION

■ CONTRAST OF AXQ3119 AND AXQ3117.

AXQ3119 and AXQ3117 have the same construction except for the following :

Mark	No.	Description	Part No.		Remarks
			AXQ3119	AXQ3117	
	2	REAR, PWR, PRTEC assy	AWZ5537	Not used	
	2	PWR, PRTEC assy	Not used	AWZ5455	
⚠	16	Transistor (Q7111)	2SB1274	Not used	
⚠	17	Transistor (Q7112)	2SB1274	Not used	
⚠	18	Transistor (Q7113)	2SD1913	Not used	
⚠	19	Transistor (Q7114)	2SD1913	Not used	

■ PARTS LIST FOR AXQ3119

Mark	No.	Description	Parts No.
	1	FRONT ASSY FOR 100W	AWZ5453
	2	REAR, PWR, PRTEC ASSY	AWZ5537
	3	HEAT SINK (AL)	ANH7008
	4	BRACKET	ANG7009
	5	SHEET	AEB7001
	6	MOLD A	AMR7005
	7	MOLD B	AMR7006
	8	SCREW (3 × 10)	ABA1021
	9	SCREW	BBZ30P140FZK
	10	SCREW	BPZ30P350FZK
	11	FAN MOTOR	AXM1019
	12	REGULATOR IC (IC7401)	MC7812CT
	13	REGULATOR IC (IC7402)	NJM7912A
	14	REGULATOR IC (IC7403)	MC7812CT
	15	REGULATOR IC (IC7404)	MC7805CT
⚠	16	TRANSISTOR (Q7111)	2SB1274
⚠	17	TRANSISTOR (Q7112)	2SB1274
⚠	18	TRANSISTOR (Q7113)	2SD1913
⚠	19	TRANSISTOR (Q7114)	2SD1913
	20	TRANSISTOR (Q7503)	2SC4793
	21	TRANSISTOR (Q7504)	2SC4793
	22	TRANSISTOR (Q7509)	2SA1837
	23	TRANSISTOR (Q7510)	2SA1837
⚠	24	TRANSISTOR (Q7511)	2SA1264N
⚠	25	TRANSISTOR (Q7512)	2SA1264N
⚠	26	TRANSISTOR (Q7513)	2SC3181N
⚠	27	TRANSISTOR (Q7514)	2SC3181N

(5). CASSETTE MECHA UNIT (FOR ALL MODELS)

Mark	No.	Description	Parts No.
	1	SPRING	AZB1336
	2	SPRING	AZB1337
	3	SPRING	AZB1338
	4	SPRING	AZB1339
	5	SPRING	AZB1340
	6	CASSETTE SPRING	AZB1378
	7	SPRING	AZB1344
	8	SPRING	AZB1346
	9	SPRING	AZB1347
	10	SPRING	AZB1348
	11	PLATE SPRING	AZB1349
	12	WASHER	AZB1350
	13	WASHER	AZB1351
	14	SPRING	AZB1352
	15	SPRING	AZB1353
	16	EARTH LUG	AZB1354
	17	SCREW	AZB1355
	18	SCREW	AZB1356
	19	SCREW	AZB1357
	20	SCREW	AZB1358
	21	SCREW	AZB1359
	22	SCREW	AZB1360
	23	SCREW	AZB1361
	24	SCREW	AZB1362
	25	SCREW	AZB1363
	26	SCREW	AZB1364
	27	PC BOARD	AZN2111
	28	FRAM ASSY	AZN2113
	29	FUNCTION PLATE	AZN2116
	30	REC STOPPER	AZN2117
	31	SW LEVER	AZN2118
	32	REC LEVER	AZN2119
	33	PLAY LEVER	AZN2120
	34	REW LEVER	AZN2121
	35	FF LEVER	AZN2122
	36	SE LEVER	AZN2123
	37	PAUSE LEVER	AZN2124
	38	PAUSE ARM	AZN2125
	39	BELT	AZN2126
	40	BELT	AZN2127
	41	P IDLER ARM	AZN2128
	42	PL IDLER	AZN2129
	43	INTER LOCK	AZN2138
	44	EJECT LEVER	AZN2139
	45	PF FF IDLER ASSY	AZN2140
	46	SENSOR	AZN2148
	47	AS BASE	AZN2149
	48	CAM GEAR	AZN2150
	49	SENSOR LEVER	AZN2151
	50	CONTROL LEVER	AZN2152
	51	FW ASSY	AZN2153
	52	PINCH ARM	AZN2157
	53	PINCH ROLLER	AZN2158
	54	HEAD BASE	AZN2159
	55	HEAD HOLDER	AZN2160
	56	SWITCH PLATE	AZN2162
	57	BUTTON R HOLDER	AZN2163
	58	BUTTON L HOLDER	AZN2164
	59	P HOLDER	AZN2165
	60	CONNECT PLATE	AZN2166
	61	CONNECT ARM	AZN2167
	62	RELEASE ARM	AZN2168
	63	MOTOR HOLDER	AZN2246
NSP	64	BASE SPI ASSY	AZN2171
	65	TAPE GUIDE	AZN2174
	66	E HEAD	AZP1025
	67	R/P HEAD	AZP1036
	68	MOTOR ASSY	AZX1037
	69	SWITCH (S2)	ASX1014
	70	CASSETTE MECHA	AWY1150
	71	2P WIRE ASSY A (J4)	ADD1104
	72	2P WIRE ASSY B (J5)	ADD1105
	73	2P WIRE ASSY C (J7)	ADD1106
	74	4P JUMPER WIRE (J8)	ADD1107
	75	2P WIRE ASSY D (J3)	ADD1108
	76	2P WIRE ASSY E (J6)	ADD1109
	77	3P HEAD WIRE ASSY (J1)	ADX1613
	78	5P HEAD WIRE ASSY (J2)	ADX1614
	79	SWITCH (S1)	ASX1014
	80	SWITCH (S3)	ASX1014
	81	CERAMIC CAPACITOR (C1)	CKDYF223Z50
	82	SWITCH (S4)	ASX1014
	83	SWITCH (S5)	ASX1014
NSP	101	SPRING	AZB1341
	102	SPRING	AZB1342
NSP	103	SPRING	AZB1345
	104	CHASSIS	AZN2112
NSP	105	FRAM	AZN2114
NSP	106	METAL	AZN2115
	107	SPINDLE BASE	AZN2130
	108	T REEL ASSY	AZN2131
NSP	109	REEL CAP	AZN2132
NSP	110	REEL GEAR	AZN2133
NSP	111	FELT	AZN2134
NSP	112	T REEL	AZN2135
	113	S REEL	AZN2136
	114	FF IDLER	AZN2137
NSP	115	IDLER BASE	AZN2141
NSP	116	PF IDLER	AZN2142
NSP	117	PF PULLY HOLDER	AZN2143
NSP	118	PF PULLY	AZN2144
NSP	119	PF BUSH	AZN2145
NSP	120	SHAFT	AZN2146
NSP	121	FELT	AZN2147
NSP	122	FLY WHEEL	AZN2154
NSP	123	RING	AZN2155
NSP	124	CAPSTAN SHAFT	AZN2156
NSP	125	MOTOR PULLEY	AZN2170
NSP	126	MOTOR	AZX1038
	127	NYLON BINDER	AEC−093
NSP	128	JUMPER CONNECTOR (7PL)	KPD7L

1.6 PCB PARTS LIST

NOTES :

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560Ω → 56 × 10^1 → 561 ..... RD1/8PM [5][6][1] J

47kΩ → 47 × 10^3 → 473 ..... RD1/4PS [4][7][3] J

0.5Ω → 0R5 ..... RN2H [0][R][5] K

1Ω → 010 ..... RS1P [0][1][0] K

Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62kΩ → 562 × 10^1 → 5621 ..... RM1/4PC [5][6][2][1] F

■ LIST OF WHOLE PCB ASSEMBLIES

Mark	Description	Part No.				Remarks
		RX-570	RX-570S	RX-370		
		KUXJ	KCXJ	KUXJ	KCXJ	
NSP	AF assy	AWK7044	AWK7044	AWK7043	AWK7043	
	├ AF assy	AWZ7159	AWZ7159	AWZ7158	AWZ7158	
	├ SECONDARY assy	AWZ7162	AWZ7162	AWZ7162	AWZ7162	
	└ FUNCTION assy	Not used	Not used	AWZ7161	AWZ7161	
NSP	DISPLAY assy	AWM7061	AWM7061	AWM7060	AWM7060	
	├ HEADPHONE assy	AWZ7163	AWZ7163	AWZ7262	AWZ7262	
	├ DISPLAY assy	AWZ7165	AWZ7165	AWZ7164	AWZ7164	
	├ POWER SW assy	AWZ7167	AWZ7167	AWZ7167	AWZ7167	
	├ VOLUME assy	AWZ7169	AWZ7169	AWZ7168	AWZ7168	
	└ TAPE IND assy	AWZ7170	AWZ7170	AWZ7170	AWZ7170	
NSP	DOLBY COMP assy	AWM7063	AWM7063	Not used	Not used	
NSP	├ DOLBY FUNC assy	AWZ7177	AWZ7177	Not used	Not used	
NSP	└ SUB SP OUT assy	AWZ7179	AWZ7179	Not used	Not used	
	FM/AM TUNER MODULE	AXQ3112	AXQ3112	AXQ3112	AXQ3112	
	POWER MOD. F100+R20	AXQ3119	AXQ3119	Not used	Not used	
	├ FRONT ASSY FOR 100W	AWZ5453	AWZ5453	Not used	Not used	
	└ REAR, PWR, PRTEC assy	AWZ5537	AWZ5537	Not used	Not used	
	POWER MOD. F100	Not used	Not used	AXQ3117	AXQ3117	
	├ FRONT ASSY FOR 100W	Not used	Not used	AWZ5453	AWZ5453	
	└ PWR, PRTEC ASSY	Not used	Not used	AWZ5455	AWZ5455	

■ FOR RX−570/KUXJ

Mark	No.	Description	Parts No.
AF ASSY			
SEMICONDUCTORS			
	IC4401		CXA1100P
	IC1002, IC1003		ICP−N50
	IC4301		NJM4558DXP
	IC4201		TC4066BP
	IC4202		UPC4570C
	Q1009		2SA1115
	Q1005, Q1010		2SA1515
	Q1007, Q1012, Q1014, Q4305, Q4306		2SA933S
	Q1004		2SB560
	Q1013, Q2102, Q4204, Q4211		2SC1740S
	Q4301−Q4304, Q4401−Q4406		2SC1740S
	Q1006, Q4352		2SC1845
	Q1008		2SC2603
	Q1011		2SC3377
	Q4351		2SD438
	Q4209, Q4210		2SK246
	Q4201, Q4202		2SK373
	Q2101, Q4203, Q4205, Q4212, Q4213		DTA124ES
	Q4307		DTA124ES
	Q1001, Q4206		DTC124ES
	Q4207, Q4208		DTC143ES
	D1010−D1012, D1018, D1019		HSS104−02
	D1024−D1026, D1101, D2101, D2102		HSS104−02
	D4201−D4204, D4206, D4207, D4301		HSS104−02
	D4303, D4304, D4351−D4354		HSS104−02
	D4401−D4403, D4405, D4406		HSS104−02
	D1023		RD5.1ESB
	D1017		RD7.5ESB
	D1002−D1009, D1013, D1014		S5566
COILS AND FILTERS			
	F4401, F4402		ATF1064
	L4401, L4402		LAU221K
	L4353		LTA102J
	L4301, L4302		LTA332J
	L4351, L4352		LTA822J
RELAY			
	RY1102		ASR1027
CAPACITORS			
	C1101 (0.01/400V)		ACG1003
	C1002, C1003 (4700/63V)		ACH1249
	C4203, C4204		CCCSL100D50
	C4353, C4354		CCCSL271K500
	C1031, C1032		CEANP2R2M25
	C1017		CEANP470M25
	C4405, C4406		CEAS010M50
	C4311, C4312, C4403, C4415, C4416		CEAS100M50
	C4410		CEAS101M10
	C4407		CEAS101M16
	C1004, C1005, C1007		CEAS102M35
	C1014, C1015, C4404		CEAS220M50
	C1009		CEAS222M16
	C1006		CEAS222M35
	C1018, C4363, C4413, C4414		CEAS2R2M50
	C4207, C4208, C4305, C4306		CEAS330M35
	C1016		CEAS470M10
	C4365		CEAS470M16
	C1012, C1013		CEAS470M50
	C1008		CEASR47M100
	C4401, C4402, C4409, C4411		CEASR68M50
	C4201, C4202, C4205, C4206		CKCYB471K50
	C4355, C4356		CKCYB681K50
	C1019, C4213−C4215, C4408		CKCYF473Z50
	C4419, C4420		CKCYX103M16
	C4421, C4422		CKCYX104M16
	C1033		CKDYX104M25
	C4417, C4418		CKCYX333M16
	C4361		CQMA103K400
	C1207−C1210		CQMA104J50
	C4309, C4310		CQMA153J50
	C4303, C4304		CQMA272J50
	C4362		CQMA333K250
	C4360		CQMA473J50
	C4209, C4210		CQMA682J50
	C4301, C4302		CQMA683J50
	C4307, C4308		CQMA822J50
RESISTORS			
	VR4301, VR4302		VRTP6VS103
	VR4351, VR4352, VR4401, VR4402		VRTP6VS104
	VR4403, VR4404		VRTP6VS203
⚠	R1101 (2.2M, 1/2W)		ACN−208
	R4356		RD1/4PM180J
	R1031		RD1/4PM750J
⚠	R1209, R1210		RD1/4PMF6R8J
	R1102		RS2LMF390J
⚠	R4355		RS2LMF470J
⚠	R1001−R1003		RS2LMFR22J
	Other Resistors		RD1/8PM□□□J
OTHERS			
	SPEAKER TERMINAL 8−P		AKE−111
	JACK		AKN−203
	CN101 40P SOCKET		AKP1085
	CN4001 PLUG 3−P		KM250MA3
	CN4002 PLUG 5−P		KM250MA5
	CN301 CONNECTOR (4P)		KPE4
	CN1203, CN201 CONNECTOR (8P)		KPE8
SECONDARY ASSY			
SEMICONDUCTORS			
	D1001		D5SB20F
	D1020, D1021, D1031, D1032		HSS104−02
CAPACITOR			
	C1001		ACG1005
HEADPHONE assy			
SWITCHE			
	S1201		ASG−413
CAPACITORS			
	C1201		CKCYF473Z50
RESISTORS			
	R1207, R1208		RS2LMF621J
	R1205, R1206		RS2LMF681J
OTHERS			
	CN1201 JACK		AKN1025

Mark	No.	Description	Parts No.
DISPLAY ASSY			
SEMICONDUCTORS			
	IC3101, IC3102		BA3812L
	IC3501, IC3701 - IC3703		NJM4558DXP
	IC1901		PDG110A
	Q1901, Q3501, Q3502		2SC1740S
	Q4951		DTA124ES
	Q1720, Q8951, Q8953, Q8954		DTA143ES
	Q1910, Q4952		DTC124ES
	Q1711 - Q1715, Q1718, Q1719, Q1921		DTC143ES
	Q8952, Q8961		DTC143ES
	D1720, D8952		AEL1038
	D1711 - D1715, D1718, D1719		AEL1148
	D1731, D1801 - D1806, D1901 - D1903		HSS104 - 02
	D1910, D3101, D3102, D3701 - D3705		HSS104 - 02
	D4961, D4962, D8951, D8953 - D8956		HSS104 - 02
COILS AND FILTERS			
	L1901		LAU220K
SWITCHES			
	S1810 - S1827, S1830 - S1835		ASG1034
CAPACITORS			
	C1906		ACH1246
	C3125, C3126		CCCSL121J50
	C1902		CEAS010M50
	C1922		CEAS100M50
	C8951		CEAS221M10
	C1909		CEAS221M16
	C3551, C3552		CEAS2R2M50
	C3129 - C3132		CEAS470M16
	C3127, C3128, C3133, C3134, C8952		CEAS4R7M50
	C3109, C3110		CEASR15M50
	C3117, C3118		CEASR68M50
	C1901		CEJA010M50
	C1905		CEJA470M16
	C1903, C1911		CKCYB102K50
	C3704, C3709		CKCYB152K50
	C3113, C3114		CKCYB182K50
	C3121, C3122		CKCYB391K50
	C3107, C3108		CKCYB392K50
	C3705, C3710		CKCYB471K50
	C3703, C3708		CKCYB472K50
	C3119, C3120		CKCYB682K50
	C1904, C1908, C3501, C3502		CKCYF473Z50
	C1923		CKCYX104M25
	C3111, C3112, C3702, C3707		CKCYX153M16
	C3105, C3106		CKCYX183M16
	C3115, C3116		CKCYX393M16
	C3701, C3706, C3711 - C3715		CKCYX473M16
	C1921, C1931		CKCYX473M25
	C3103, C3104		CKCYX683M16
	C1971		CKDYB472K50
	C3503, C3504		CQMA223J50
	C3505, C3506		CQMA683J50
RESISTORS			
	VR4951, VR4952		ACP1055
	VR3551 (500K - B5)		ACS1105
	VR3101 - VR3105 (100K - B5 × 2)		ACU1030
	R8955, R8956		RD1/4PM120J
	Other Resistors		RD1/8PM□□□J

Mark	No.	Description	Parts No.
OTHERS			
	V1701 FL TUBE		AAV7005
	CN1901 40P SOCKET		AKP1085
	X1911 CRYSTAL RESONATOR		ASS1015
	REMOTE RECEIVER UNIT		AXX1023
POWER SW ASSY			
SEMICONDUCTORS			
	Q1701		2SA933S
	D1701		AEL1148
	D1721		HSS104 - 02
SWITCHES			
	S1801 - S1806		ASG1034
RESISTORS			
	All Resistors		RD1/8PM□□□J
VOLUME ASSY			
SEMICONDUCTORS			
	IC1501, IC1601		NJM4558DXP
	IC1502		TA8409S
	D1501 - D1504, D1601, D1602		HSS104 - 02
	D1651, D1652		HSS104 - 02
CAPACITORS			
	C1507		CEAS101M25
	C1501 - C1504, C1601, C1602, C1604		CEAS4R7M50
	C1651, C1652, C1654		CEAS4R7M50
	C1505, C1506		CEASR22M50
	C1508		CKCYF473Z50
	C1603, C1653		CKDYB471K50
RESISTORS			
	VR1601 (100K - 3B*4)		ACX1088
	Other Resistors		RD1/8PM□□□J
TAPE IND ASSY			
SEMICONDUCTORS			
	Q1716, Q1717		2SA933S
	D1717		AEL1003
	D1716		AEL1004
	D1722, D1723		HSS104 - 02
SWITCHES			
	S1840, S1841		ASG1034
RESISTORS			
	All Resistors		RD1/8PM□□□J
DOLBY FUNC ASSY			
SEMICONDUCTORS			
	IC1602		LA2780N
	IC1603		LM3914K - 15
	IC1601		LV1091M - A
	IC1604		M66220P
	IC1606 - IC1609, IC2101, IC2103		NJM5558DXP
	IC2102		TC4052BP
	IC1605		TC4066BP
	IC1610		TC9154AP
	Q1605, Q1606		2SC2878
	Q1601		2SD438

Mark	No.	Description	Parts No.
	Q1603, Q1604		DTA124ES
	Q1602		DTC124ES
	D2101		RD5.1ESB
	D1601－D1603		RD6.2ESB
CAPACITORS			
	C1648, C1655, C1677		CCCSL151J50
	C1668		CCCSL221J50
	C1691, C1692		CCPUSL680J50
	C1613, C1614, C1624, C1625		CEANL2R2M50
	C1633		CEANP100M35
	C1646		CEANPR33M50
	C1636		CEAS010M50
	C1607, C1608, C1637, C1641－C1643		CEAS100M50
	C1645, C1674, C2110, C2113		CEAS100M50
	C1619		CEAS101M16
	C1667		CEAS221M10
	C1656, C1657		CEAS221M16
	C1658		CEAS221M25
	C1601, C1602, C1663, C1664		CEAS2R2M50
	C1669, C1670, C1672, C1673		CEAS2R2M50
	C2103, C2104		CEAS3R3M50
	C2109		CEAS470M16
	C1618		CEAS470M25
	C1671		CEAS471M16
	C1651, C1652		CEAS4R7M50
	C1615, C1626		CEASR15M50
	C1629		CEASR22M50
	C1616, C1627		CEYA3R3M50
	C1609, C1620		CEYAR33M50
	C1605		CFTXA103J50
	C1603, C1610, C1611, C1622, C1623		CFTXA104J50
	C1660		CFTXA104J50
	C1606		CFTXA153J50
	C1617, C1628, C1647		CFTXA154J50
	C1649, C1654		CFTXA223J50
	C1632		CFTXA333J50
	C1662		CFTXA334J50
	C1661		CFTXA473J50
	C1630		CFTXA683J50
	C1650, C1653		CKCYB102K50
	C1666		CKCYB103K50
	C1676, C1679, C1680		CKCYB331K50
	C1638, C1681		CKCYB471K50
	C1635		CKCYB562K50
	C1604, C1612, C1621, C1644		CKCYB681K50
	C1665		CKCYX104M16
	C1659		CKCYX104M25
	C1675		CKCYX473M25
	C2101, C2102		CKPUYB101K50
	C1693, C1694		CKPUYX122N16
	C2105, C2106		CKPUYX152N16
	C2107, C2108		CKPUYX562N16
	C1631		CQMA392J50
	C1634		CQMA472J50
	C1639		CQMA562J50
	C1640		CQMA682J50
RESISTORS			
	VR1601		VRTB6VS223
	Other Resistors		RD1/8PM□□□J

Mark	No.	Description	Parts No.
OTHERS			
	PIN JACK 6P (PHONO, VCR, CD)		AKB1121
	JACK (SR OUT)		AKN－207
	JACK (MULTI ROOM)		AKN1020
	X1601	CRYSTAL RESONATOR	ASS1015

SUB SP OUT ASSY

CAPACITORS			
	C8101－C8104		CQMA104J50
RESISTORS			
	All Resistors		RD1/4PM□□□J
OTHERS			
	SPEAKER TERMINAL 4－P		AKE1012
	CN8104	SPEAKER TERMINAL 2－P	AKE1032

FM/AM TUNER MODULE

SEMICONDUCTORS			
	IC6201		LA1836M
	IC6202		LM7001J
	Q6102		2SC2223
	Q6203		2SC2235
	Q6202		2SC2712
	Q6103, Q6214		2SC2714
	Q6201		2SK208
	Q6104		2SK302
	Q6101		3SK194
	Q6204		XDA124EK
	Q6217		XDC124EK
	D6101, D6102		1T33
COILS AND FILTERS			
	L6104		ATC1003
	L6101		ATC1020
	L6102		ATC1021
	T6101		ATE－063
	L6207	(10.7MHZ)	ATE1013
	F6203, F6204		ATF－119
	F6101		ATF－155
	F6202	(450KHZ)	ATF1145
	L6103		ATH1043
	L6202, L6203, L6208		LCTA2R2J3225
CAPACITORS			
	C6202, C6234, C6236		ACG1051
	C6235		ACG1052
	C6107		CCSCH010C50
	C6229		CCSCH821J50
	C6110		CCSQCH020C50
	C6101		CCSQCH050C50
	C6108, C6203, C6268		CCSQCH101J50
	C6111, C6116, C6208, C6221, C6222		CCSQCH150J50
	C6115		CCSQCH330J50
	C6114		CCSQRH080D50
	C6113		CCSQRH180J50
	C6105		CCSQTH150J50
	C6261		CEAS010M50
	C6224, C6231, C6233, C6246, C6262		CEAS100M50
	C6216, C6217		CEAS330M16
	C6219		CEAS470M10
	C6243－C6245		CEAS470M16
	C6227		CEAS470M25
	C6238		CEJA100M16
	C6249, C6250		CEJA4R7M35

Mark	No.	Description	Parts No.
	C6215		CFTXA103J50
	C6214		CFTXA224J50
	C6103, C6106, C6112, C6204		CKSQYB102K50
	C6102, C6109, C6117, C6210, C6264		CKSQYB103K50
	C6213		CKSQYB223K50
	C6230		CKSQYB333K50
	C6228, C6252		CKSQYB472K50
	C6209, C6237, C6265, C6267		CKSQYB473K50
	C6212, C6218		CKSQYF103Z50
	C6220, C6226, C6239, C6242, C6255		CKSQYF223Z50
	C6225, C6241, C6266		CKSQYF473Z50
	C6232		CKSYB333K50
	C6251		CKSYB472K50
	C6223		CKSYF103Z50
	C6263		CKSYF473Z50
	RESISTORS		
	VR6201		ACP1055
	VR6202		VRTB6VS223
	R6299, R6300		RD1/8PM102J
	R6113, R6116, R6118, R6268−R6271		RS1/8S000J
	R6275, R6276, R6278, R6283, R6284		RS1/8S000J
	R6290, R6293, R6294, R6297		RS1/8S000J
	R6243, R6244		RS1/8S101J
	R6211		RS1/8S103J
	R6237		RS1/8S182J
	R6209		RS1/8S221J
	R6239		RS1/8S332J
	R6101		RS1/8S470J
	Other Resistors		RS1/10S□□□J
	OTHERS		
	BN6201	TERMINAL 4−P	AKA1016
	X6203	CRYSTAL RESONATOR	ASS1042
	X6201	CRYSTAL RESONATOR	ASS1066
	X6202	CERAMIC RESONATOR	ATF1027
	AM RF TUNING BLOCK		AXX1025

FRONT ASSY FOR 100W

SEMICONDUCTORS

	IC7501		UPC4570G2
	IC7701, IC7702		XRA4558F−P
	Q7507, Q7508		2SA1182
	Q7601		2SA1255
	Q7501, Q7502		2SC2240
	Q7605, Q7606, Q7703		2SC2712
	Q7505, Q7506		2SC2859
	Q7603		2SC3138
	Q7704		XDC143EK
	D7505, D7506, D7517, D7518		1SS181
	D7503, D7504, D7516		1SS184
	D7521−D7524		1SS244
	D7519, D7520, D7525, D7526, D7531		HSS104−02
	D7533, D7701−D7704, D7707		HSS104−02
	D7710−D7714		HSS104−02
	D7507−D7510		RD3.3ESB2

CAPACITORS

	C7703		ACG1051
	C7523, C7524		ACH1150
	C7509, C7510		ACH1151
	C7539, C7540		ACH1248
	C7519−C7522, C7545−C7552		CCSQCH101J50
	C7525−C7528		CCSQCH271J50
	C7503, C7504		CCSQCH331J50
	C7541, C7542		CCSQCH470J50
	C7529−C7532		CKSQYB333K50
	C7543, C7544		CKSQYB472K50
	C7602		CKSQYF103Z50
	C7601, C7603, C7702		CKSQYF104Z50
	C7537		CKSQYF473Z50
	RESISTORS		
	VR7701		ACP1053
	R7519, R7520		ACN1106
	R7515, R7516		ACN1107
⚠	R7541, R7542		RD1/4PMF100J
	R7711		RS1/10S1001F
⚠	R7547−R7550		RS1/10S2200F
	R7709		RS1/10S39R0F
	R7710		RS1/10S56R0F
	R7708		RS1/10S7500F
	R7753		RS1/8S000J
⚠	R7537−R7540		RS1/8S100J
	R7553		RS1/8S101J
⚠	R7543, R7544		RS1/8S7R5J
⚠	R7529−R7536		RS1/10S101J
	Other Resistors		RS1/10S□□□J

REAR, PWR, PRTEC ASSY

SEMICONDUCTORS

	IC7101		UPC4570G2
	Q7107, Q7108, Q7208, Q7215, Q7219		2SA1162
	Q7213		2SA1182
	Q7109, Q7110		2SB1115
	Q7301, Q7302		2SC1815
	Q7101, Q7102		2SC2240
	Q7105, Q7106, Q7205−Q7207, Q7209		2SC2712
	Q7212, Q7214, Q7218, Q7220, Q7221		2SC2712
	Q7216		2SC2859
	Q7211, Q7217		2SC3138
	Q7103, Q7104		2SD1615
	Q7210, Q7222		XDA124EK
	D7113, D7114		1SS181
	D7111, D7112		1SS184
	D7103−D7106, D7201, D7205		HSS104−02
	D7204, D7206		HZS6C3L
	D7203		HZS9A2L
	D7107−D7110		RD2.2ESB2

CAPACITORS

	C7402, C7406, C7408		ACG1050
	C7401, C7405, C7407		ACG1053
	C7123, C7124, C7212		ACH1056
	C7409		ACH1150
	C7109, C7110, C7205, C7207, C7208		ACH1151
	C7140, C7141		ACH1248
	C7119−C7122		CCSQCH101J50
	C7133−C7136		CCSQCH221J50
	C7125−C7128		CCSQCH271J50
	C7103, C7104		CCSQCH331J50
	C7142, C7143		CCSQCH470J50
	C7301		CKSQYB332K50
	C7129−C7132		CKSQYB333K50
	C7213, C7214		CKSQYF103Z50
	C7206, C7404		CKSQYF104Z50
	C7137, C7138		CKSQYF472Z50
	C7139		CKSQYF473Z50

Mark	No.	Description	Parts No.
	RESISTORS		
	R7403, R7404		ACN1104
	R7119, R7120		ACN1105
	R7115, R7116		ACN1107
⚠	R7137−R7140		RS1/10S0100F
	R7303		RS1/10S1002F
⚠	R7147−R7150		RS1/10S2200F
	R7304		RS1/10S8200F
⚠	R7141−R7144		RS1/8S100J
	R7153		RS1/8S101J
⚠	R7129−R7136		RS1/10S101J
	Other Resistors		RS1/10S□□□J
	OTHERS		
	CN7101	CONNECTOR (12P)	KPE12
	OTHER ELECTRICAL PARTS		
	FRONT ASSY FOR 100W		
	SEMICONDUCTORS		
⚠	Q7511, Q7512		2SA1264N
	Q7509, Q7510		2SA1837
⚠	Q7513, Q7514		2SC3181N
	Q7503, Q7504		2SC4793
	REAR, PWR, PRTEC ASSY		
	SEMICONDUCTORS		
	IC7404		MC7805CT
	IC7401, IC7403		MC7812CT
	IC7402		NJM7912A
⚠	Q7111, Q7112		2SB1274
⚠	Q7113, Q7114		2SD1913
	OTHERS		
	PCB FOR POWER MODULE		ANP1734
	FAN MOTOR		AXM1019

■ FOR RX−570S/KCXJ

Note:
All PCB assemblies of RX−570S/KCXJ are the same as those of RX−570/KUXJ.

■ FOR RX−370/KUXJ AND KCXJ

Note:
PCB assemblies of RX−370/KUXJ and KCXJ are the same as those of RX−570/KUXJ except for the following:

Mark	No.	Description	Parts No.
	AF ASSY		
	SEMICONDUCTORS		
	IC4401		CXA1100P
	IC4301		NJM4558DXP
	IC4201		TC4066BP
	IC4202		UPC4570C
	Q1009		2SA1115
	Q1005, Q1010		2SA1515
	Q1007, Q1012, Q1014, Q4305, Q4306		2SA933S
	Q1004		2SB560
	Q1013, Q2102, Q4204, Q4211		2SC1740S
	Q4301−Q4304, Q4401−Q4406		2SC1740S
	Q1006, Q4352		2SC1845
	Q1008		2SC2603
	Q1011		2SC3377
	Q4351		2SD438
	Q4209, Q4210		2SK246
	Q4201, Q4202		2SK373
	Q2101, Q4203, Q4205, Q4212, Q4213		DTA124ES
	Q4307		DTA124ES
	Q1001, Q4206		DTC124ES
	Q4207, Q4208		DTC143ES
	D1010−D1012, D1018, D1019		HSS104−02
	D1024−D1026, D1101, D2101, D2102		HSS104−02
	D4201−D4204, D4206, D4207, D4301		HSS104−02
	D4303, D4304, D4351−D4354		HSS104−02
	D4401−D4403, D4405, D4406		HSS104−02
	D1023		RD5.1ESB
	D1017		RD7.5ESB
	D1006−D1009, D1013, D1014		S5566
	COILS AND FILTERS		
	F4401, F4402		ATF1064
	L4401, L4402		LAU221K
	L4353		LTA102J
	L4301, L4302		LTA332J
	L4351, L4352		LTA822J
	RELAY		
	RY1102		ASR1027
	CAPACITORS		
	C1101	(0.01/400V)	ACG1003
	C1002, C1003	(4700/63V)	ACH1249
	C4203, C4204		CCCSL100D50
	C4353, C4354		CCCSL271K500
	C1031, C1032		CEANP100M25
	C1017		CEANP470M25
	C4405, C4406		CEAS010M50
	C4311, C4312, C4403, C4415, C4416		CEAS100M50
	C4410		CEAS101M10
	C4407		CEAS101M16
	C1007		CEAS102M35
	C1014, C1015, C4404		CEAS220M50
	C1009		CEAS222M16
	C1006		CEAS222M35
	C1018, C4363, C4413, C4414		CEAS2R2M50
	C4207, C4208, C4305, C4306		CEAS330M35
	C1016		CEAS470M10
	C4365		CEAS470M16
	C1012, C1013		CEAS470M50
	C1008		CEASR47M100
	C4401, C4402, C4409, C4411		CEASR68M50
	C4201, C4202, C4205, C4206		CKCYB471K50
	C4355, C4356		CKCYB681K50
	C1019, C4213−C4215, C4408		CKCYF473Z50
	C4419, C4420		CKCYX103M16
	C4421, C4422		CKCYX104M16
	C4417, C4418		CKCYX333M16
	C4361		CQMA103K400
	C1207−C1210		CQMA104J50
	C4309, C4310		CQMA153J50
	C4303, C4304		CQMA272J50
	C4362		CQMA333K250
	C4360		CQMA473J50
	C4209, C4210		CQMA682J50
	C4301, C4302		CQMA683J50
	C4307, C4308		CQMA822J50

Mark	No.	Description	Parts No.
	RESISTORS		
	VR4301, VR4302		VRTP6VS103
	VR4351, VR4352, VR4401, VR4402		VRTP6VS104
	VR4403, VR4404		VRTP6VS203
⚠	R1101	(2.2M/1/2W)	ACN−208
	R4356		RD1/4PM180J
	R1031		RD1/4PM750J
⚠	R1209, R1210		RD1/4PMF6R8J
	R1102		RS2LMF390J
⚠	R4355		RS2LMF470J
⚠	R1001, R1002		RS2LMFR22J
	Other Resistors		RD1/8PM□□□J
	OTHERS		
	SPEAKER TERMINAL 8−P		AKE−111
	JACK		AKN−203
	CN101	40P SOCKET	AKP1085
	CN4001	PLUG 3−P	KM250MA3
	CN4002	PLUG 5−P	KM250MA5
	CN1203	CONNECTOR (8P)	KPE8
	FUNCTION ASSY		
	SEMICONDUCTORS		
	IC2101, IC2103		NJM4558DXP
	IC2102		TC4052BP
	CAPACITORS		
	C2103, C2104		CEAS3R3M50
	C2109, C2110		CEAS470M16
	C2111, C2112		CKCYF473Z50
	C2101, C2102		CKPUYB101K50
	C2105, C2106		CKPUYX152N16
	C2107, C2108		CKPUYX562N16
	RESISTORS		
	All Resistors		RD1/8PM□□□J
	OTHERS		
	PIN JACK 6P (PHONO, VCR, CD)		AKB1121
	JACK (SR OUT)		AKN−207
	DISPLAY ASSY		
	SEMICONDUCTORS		
	IC3101, IC3102		BA3812L
	IC3501, IC3701−IC3703		NJM4558DXP
	IC1901		PDG110A
	Q1901, Q3501, Q3502		2SC1740S
	Q4951		DTA124ES
	Q8951		DTA143ES
	Q1910, Q4952		DTC124ES
	Q1711−Q1715, Q1921, Q8952, Q8961		DTC143ES
	D1711−D1715		AEL1148
	D1731, D1801−D1806, D1901−D1903		HSS104−02
	D1910, D3101, D3102, D3701−D3705		HSS104−02
	D4961, D4962, D8951		HSS104−02
	COILS AND FILTERS		
	L1901		LAU220K
	SWITCHES		
	S1810−S1827		ASG1034

Mark	No.	Description	Parts No.
	CAPACITORS		
	C1906		ACH1246
	C3125, C3126		CCCSL121J50
	C1902		CEAS010M50
	C1922		CEAS100M50
	C1909		CEAS221M16
	C3551, C3552		CEAS2R2M50
	C3129−C3132		CEAS470M16
	C3127, C3128, C3133, C3134		CEAS4R7M50
	C3109, C3110		CEASR15M50
	C3117, C3118		CEASR68M50
	C1901		CEJA010M50
	C1905		CEJA470M16
	C1903, C1911		CKCYB102K50
	C3704, C3709		CKCYB152K50
	C3113, C3114		CKCYB182K50
	C3121, C3122		CKCYB391K50
	C3107, C3108		CKCYB392K50
	C3705, C3710		CKCYB471K50
	C3703, C3708		CKCYB472K50
	C3119, C3120		CKCYB682K50
	C1904, C1908, C3501, C3502		CKCYF473Z50
	C1923		CKCYX104M25
	C3111, C3112, C3702, C3707		CKCYX153M16
	C3105, C3106		CKCYX183M16
	C3115, C3116		CKCYX393M16
	C3701, C3706, C3711−C3715		CKCYX473M16
	C1921, C1931		CKCYX473M25
	C3103, C3104		CKCYX683M16
	C1971		CKDYB472K50
	C3503, C3504		CQMA223J50
	C3505, C3506		CQMA683J50
	RESISTORS		
	VR4951, VR4952		ACP1055
	VR3551	(500K−B5)	ACS1105
	VR3101−VR3105	(100K−B5×2)	ACU1030
	Other Resistors		RD1/8PM□□□J
	OTHERS		
	V1701	FL TUBE	AAV7005
	CN1901	40P SOCKET	AKP1085
	X1911	CRYSTAL RESONATOR	ASS1015
	REMOTE RECEIVER UNIT		AXI1023
	VOLUME ASSY		
	SEMICONDUCTORS		
	IC1501		NJM4558DXP
	IC1502		TA4009S
	D1501−D1504		HSS104−02
	CAPACITORS		
	C1507		CEAS101M25
	C1501−C1504		CEAS4R7M50
	C1505, C1506		CEASR22M50
	C1508		CKCYF473Z50
	C1511, C1512		CQMA154J50
	RESISTORS		
	VR1501	(100K−3B*2)	ACU1089
	Other Resistors		RD1/8PM□□□J

Mark	No.	Description	Parts No.
HEADPHONE ASSY			
SWITCH			
	S1201		ASG−413
CAPACITORS			
	C1201		CKCYF473Z50
RESISTORS			
	R1207, R1208		RS2LMF621J
	R1205, R1206		RS2LMF681J
OTHERS			
	JACK		AKN1010
PWR, PRTEC ASSY			
SEMICONDUCTORS			
	Q7208, Q7215, Q7219		2SA1162
	Q7213		2SA1182
	Q7301, Q7302		2SC1815
	Q7207, Q7209, Q7212, Q7214, Q7218		2SC2712
	Q7220, Q7221		2SC2712
	Q7216		2SC2859
	Q7211, Q7217		2SC3138
	Q7210, Q7222		XDA124EK
	D7201, D7205		HSS104−02
	D7204, D7206		HZS6C3L
	D7203		HZS9A2L
CAPACITORS			
	C7402, C7406, C7408		ACG1050
	C7401, C7405, C7407		ACG1053
	C7212		ACH1056
	C7409		ACH1150
	C7205, C7207, C7208		ACH1151
	C7301		CKSQYB332K50
	C7213		CKSQYF103Z50
	C7206, C7404		CKSQYF104Z50
RESISTORS			
	R7403, R7404		ACN1104
	R7303		RS1/10S1002F
	R7304		RS1/10S8200F
	Other Resistors		RS1/10S□□□J
OTHERS			
	CN7101	CONNECTOR (12P)	KPE12
OTHER ELECTRICAL PARTS			
SEMICONDUCTORS			
	IC7404		MC7805CT
	IC7401, IC7403		MC7812CT
	IC7402		NJM7912A

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STEREO DOUBLE CASSETTE DECK RECEIVER

RX-570
RX-570S
RX-370

CHAPTER 2

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PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
PIONEER ELECTRONICS SERVICE INC. P.O. Box 1760, Long Beach, California 90801 U.S.A.
PIONEER ELECTRONICS OF CANADA, INC. 300 Allstate Parkway Markham, Ontario L3R 0P2 Canada
PIONEER ELECTRONIC [EUROPE] N.V. Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS AUSTRALIA PTY. LTD. 178-184 Boundary Road, Braeside, Victoria 3195, Australia TEL: [03] 580-9911

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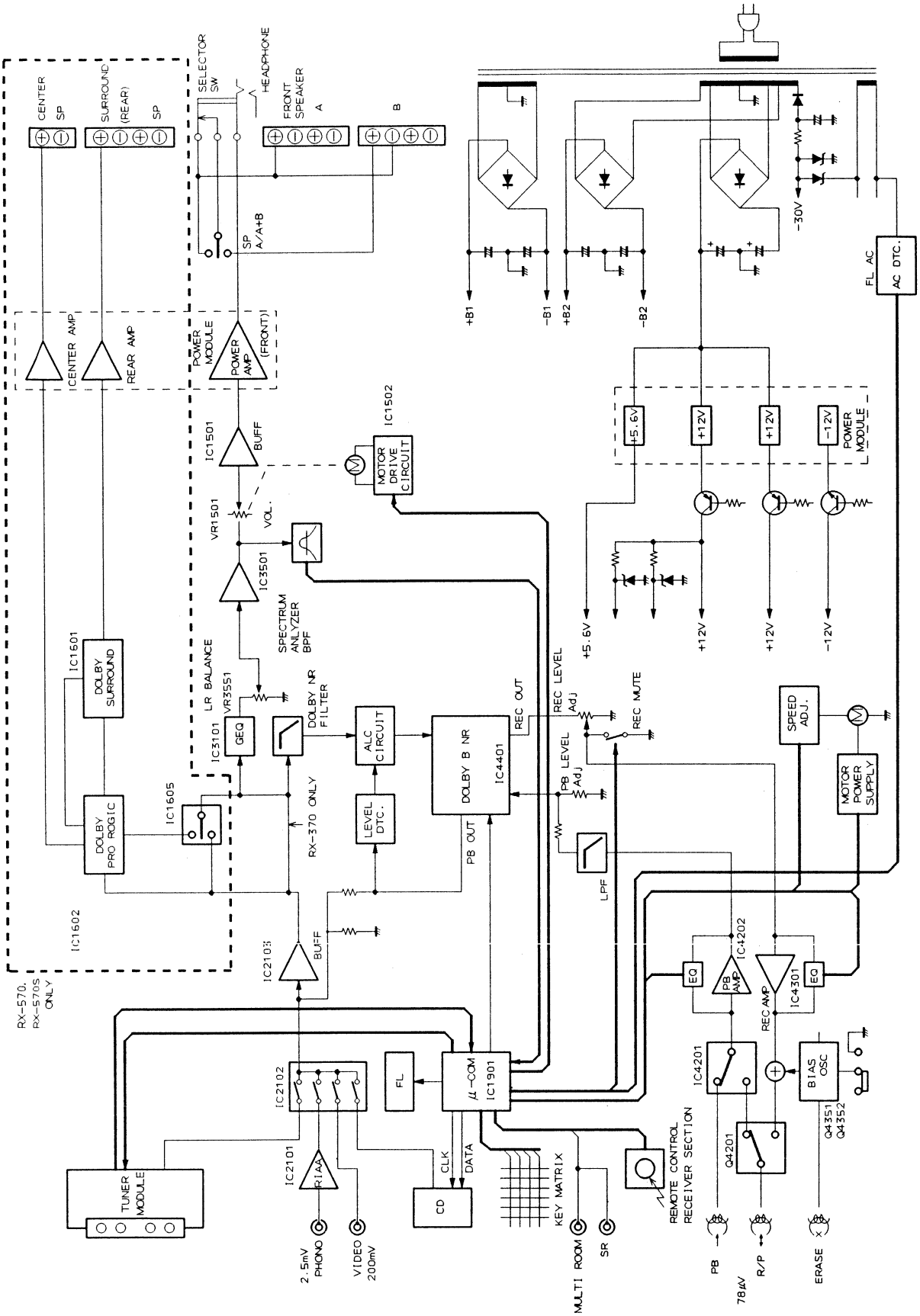
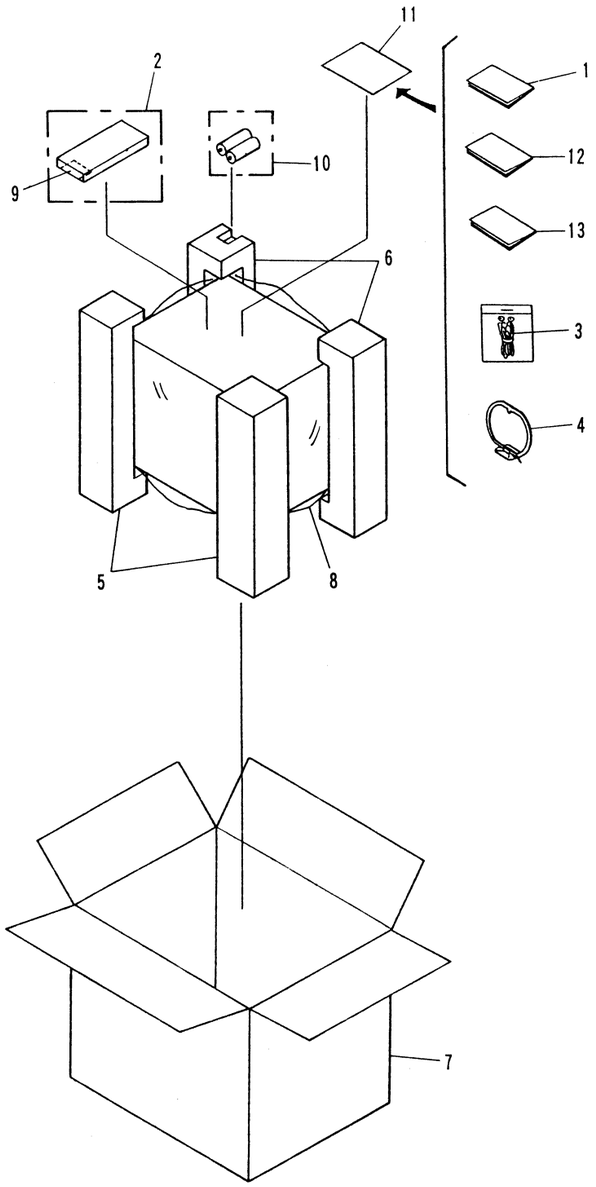
2.1 BLOCK DIAGRAM

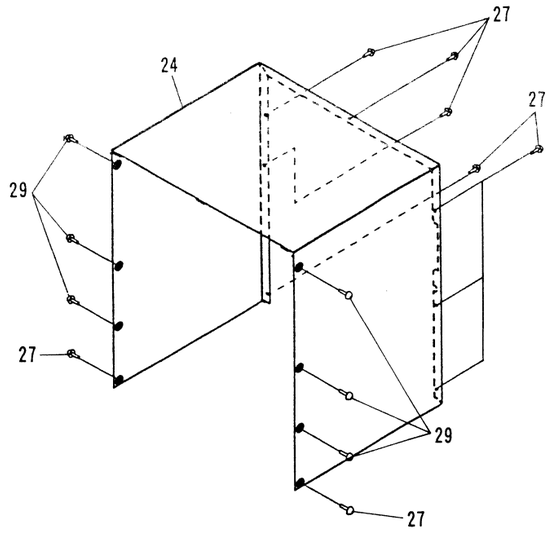


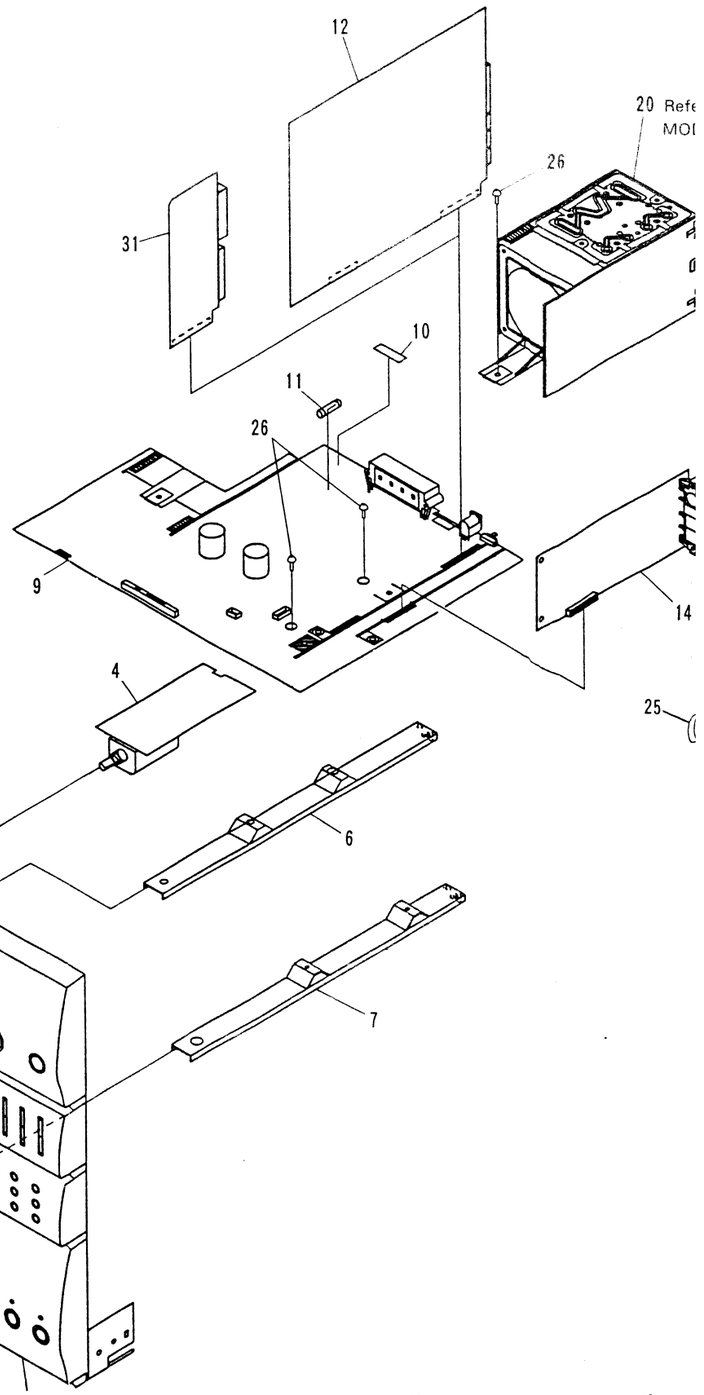
2.2 PACKING AND EXPLODED VIEWS

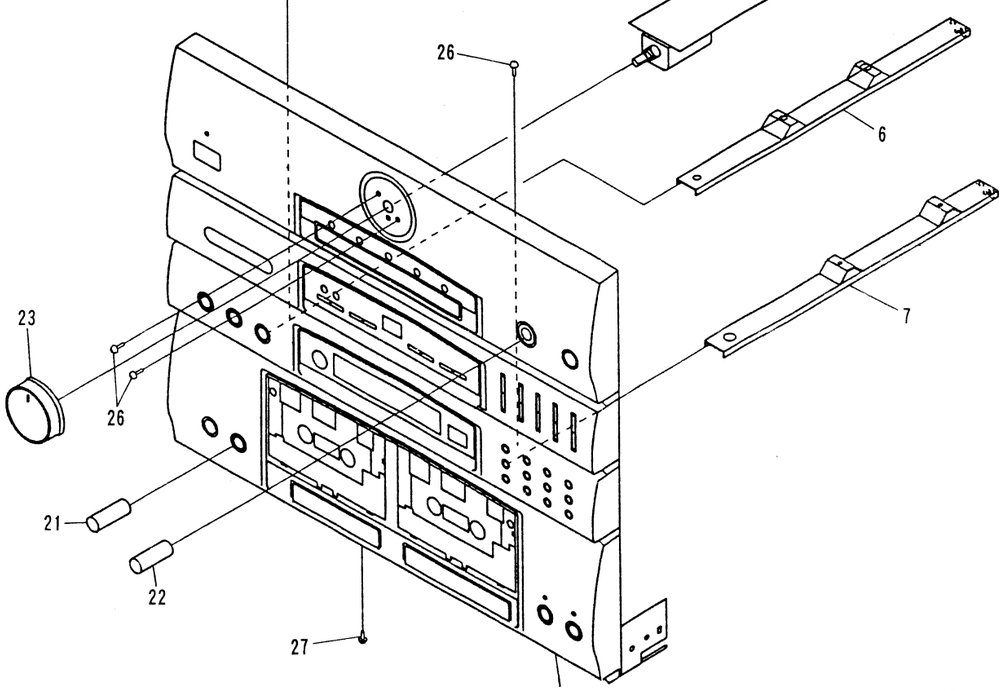
(1). PACKING



(2). EXTERIOR (1/2)



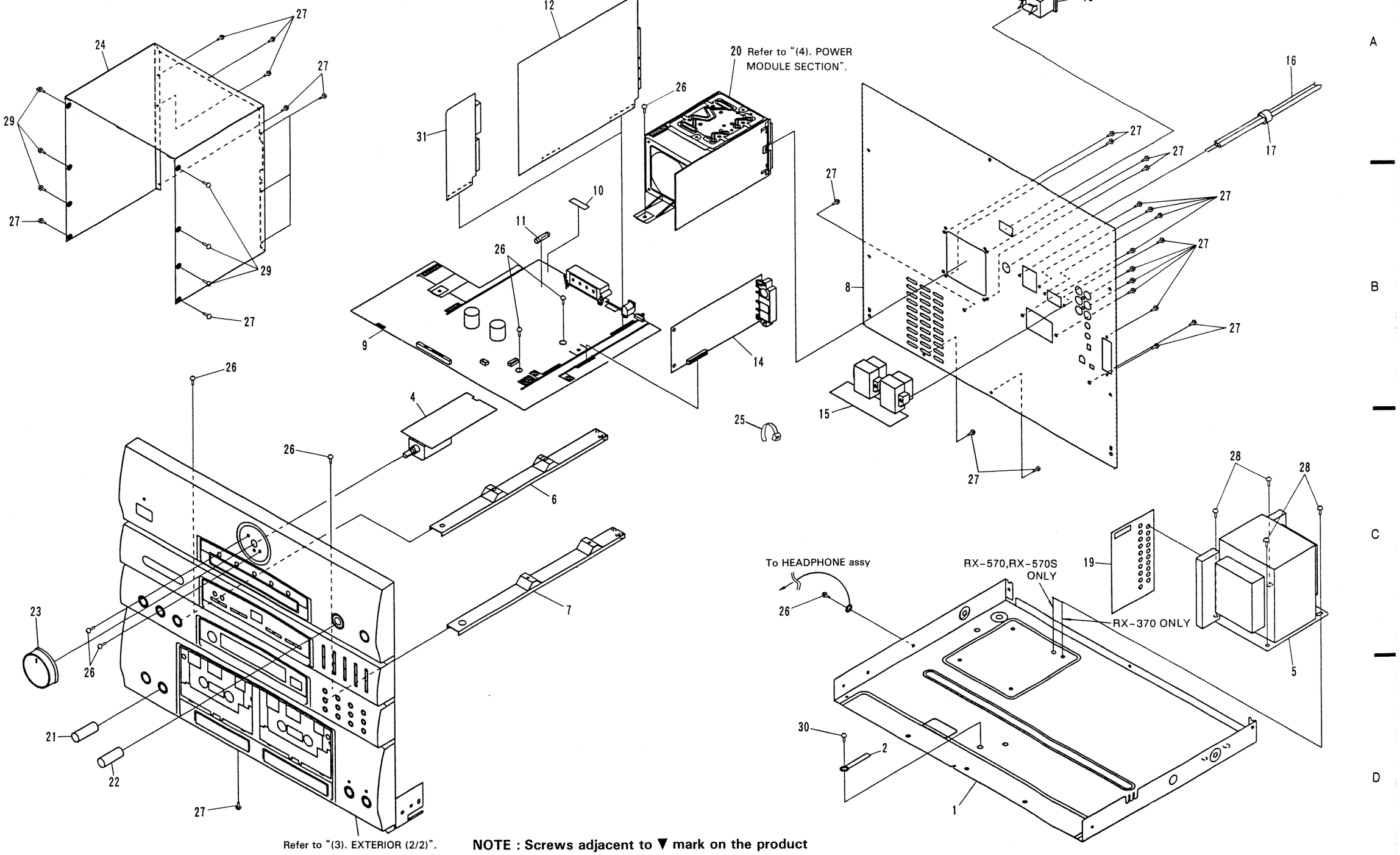




Refer to "(3). EXTERIOR (2/2)".

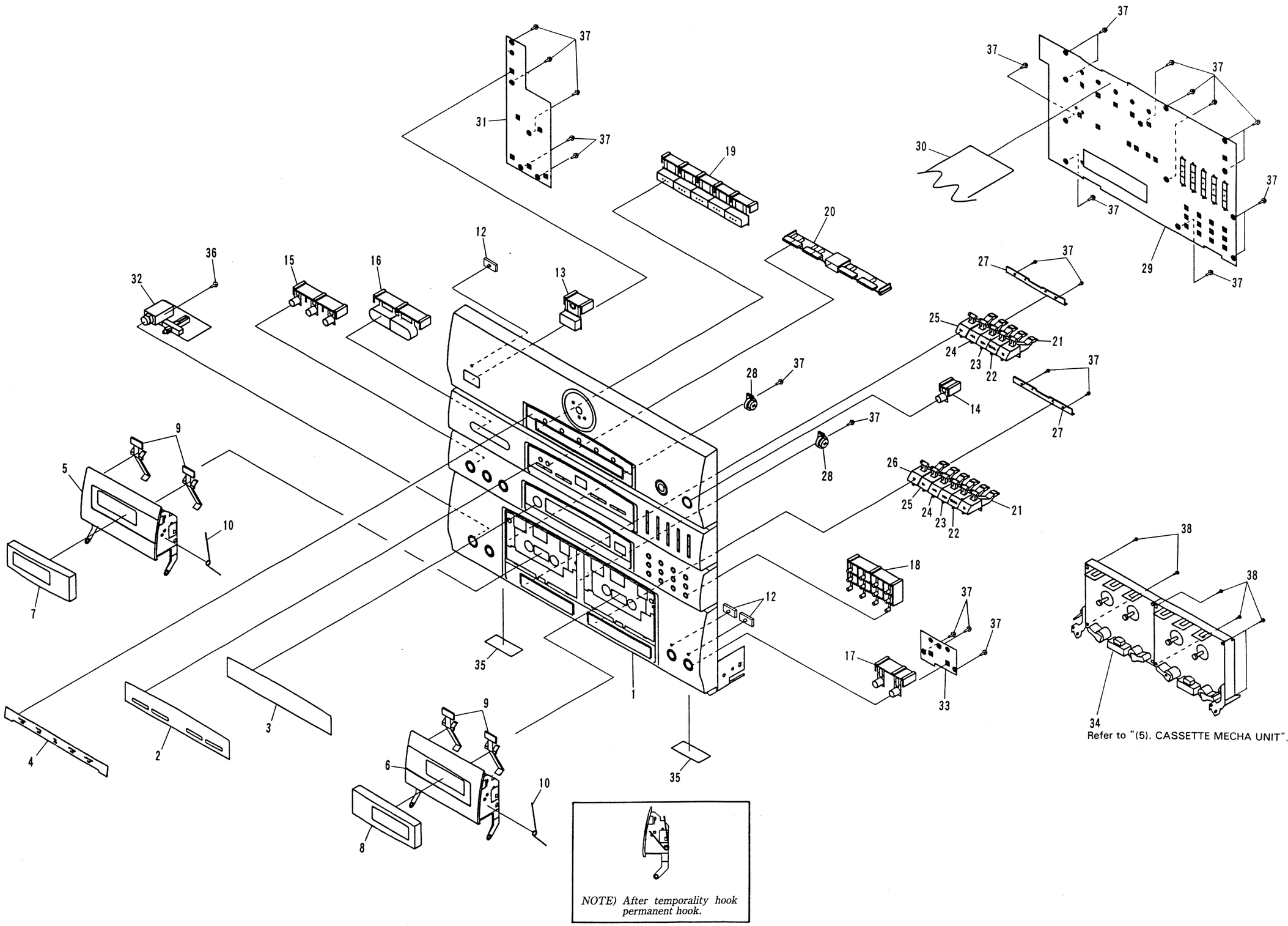
NOTE : Screws adjacent to ▼ mark on the p
are used for disassembly.

(2). EXTERIOR (1/2)



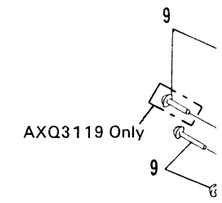
NOTE : Screws adjacent to ▼ mark on the product are used for disassembly.

(3). EXTERIOR (2/2)



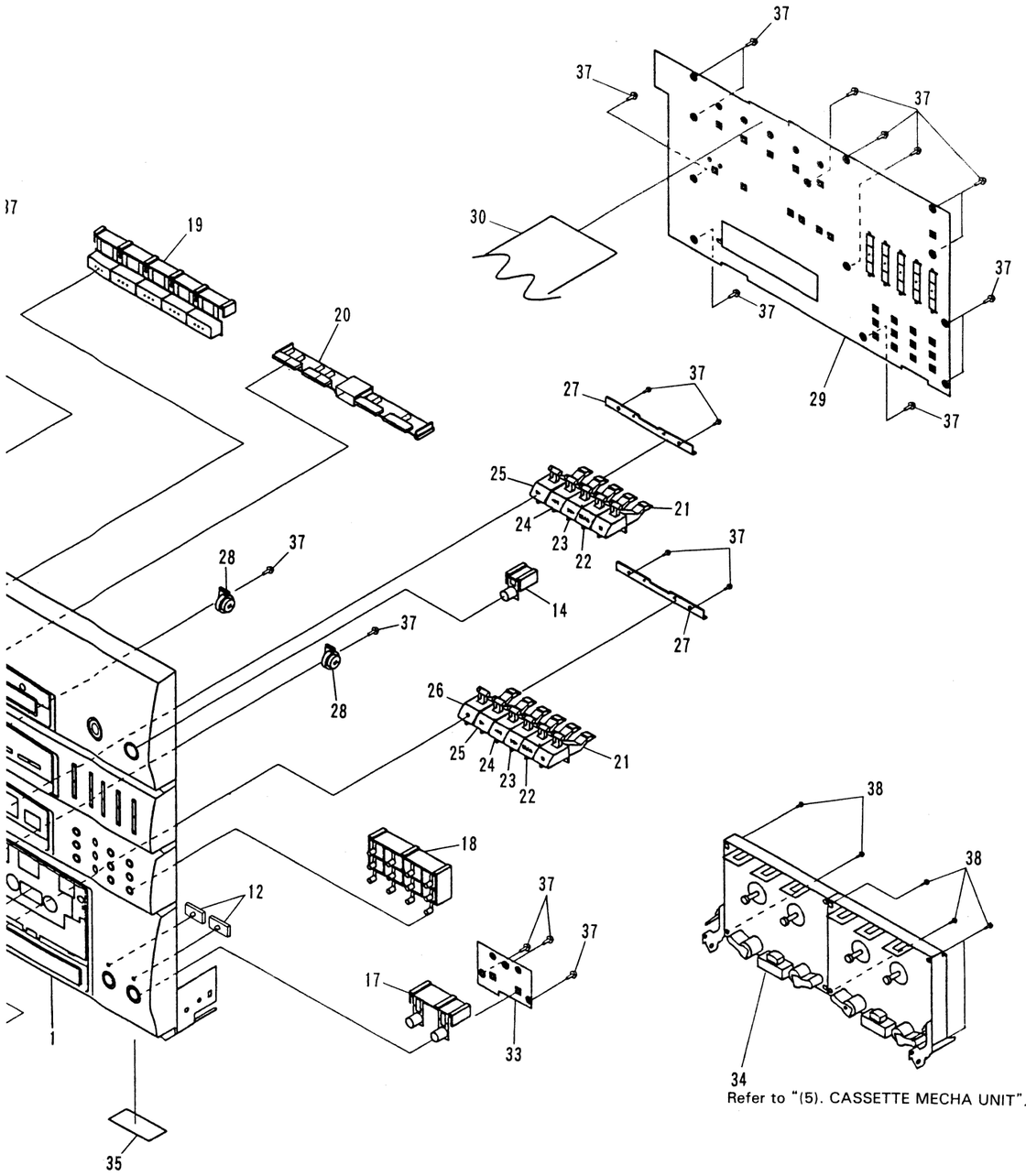
NOTE) After temporality hook permanent hook.

(4). POWER M

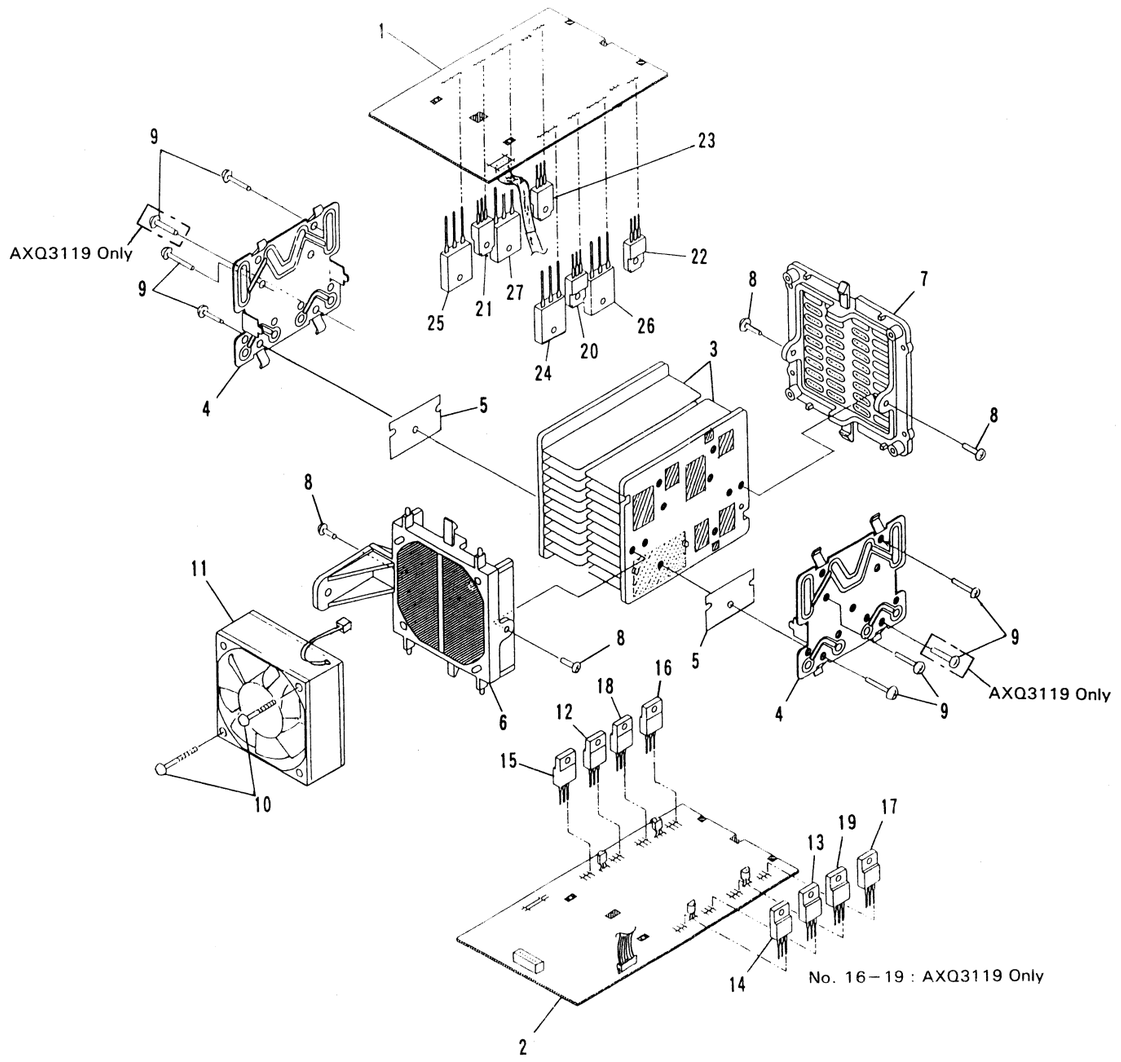


Refer to "(5). CASSETTE MECHA UNIT".

(4). POWER MODULE SECTION



Refer to "(5). CASSETTE MECHA UNIT".



Note: Ensure that silicon grease does not adhere to the MOLD A (No. 6) and MOLD B (No. 7).

(E) After temporality hook permanent hook.

1 2 3 4

A

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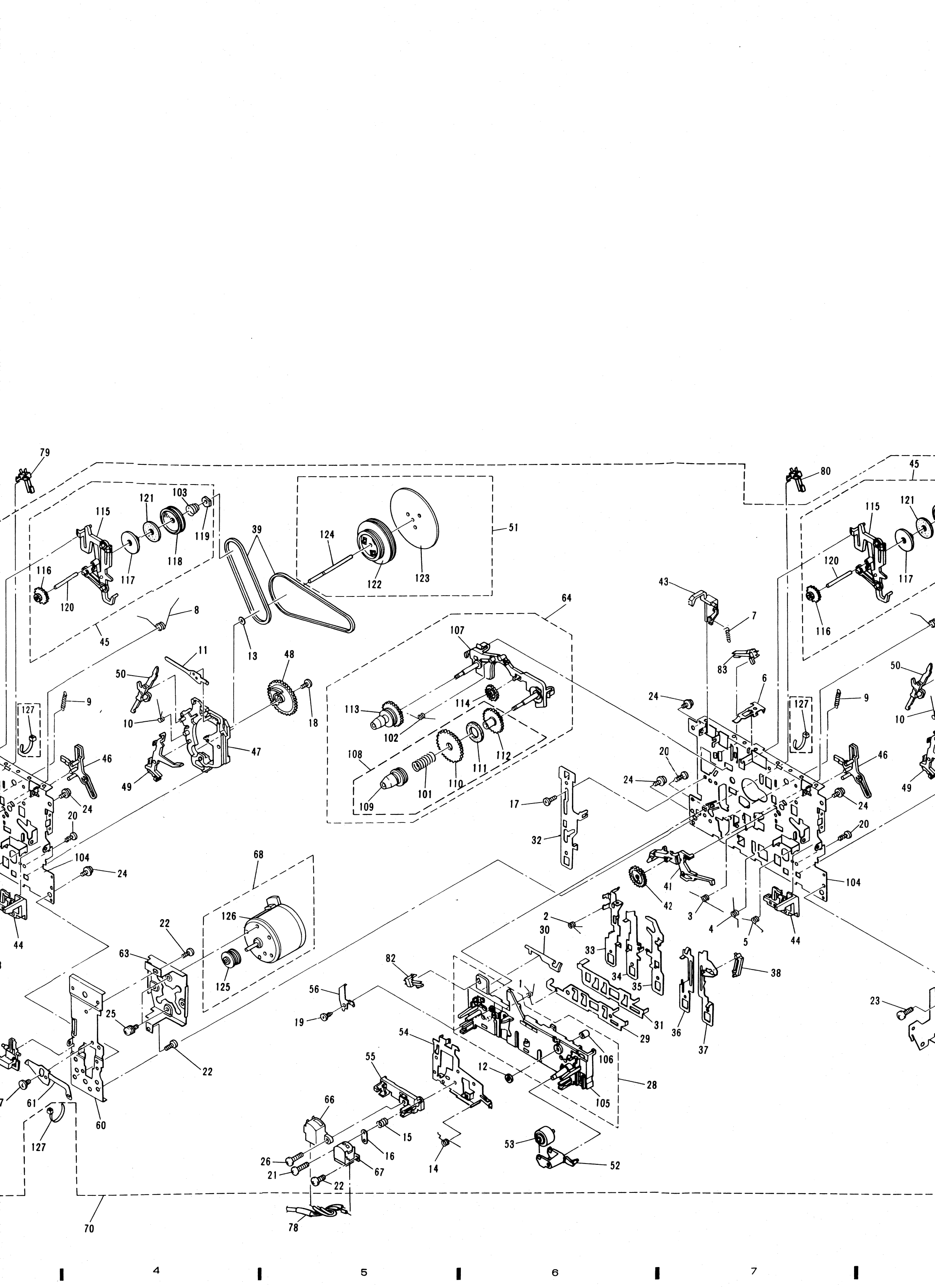
D

E

F

(5). CASSETTE MECHA UNIT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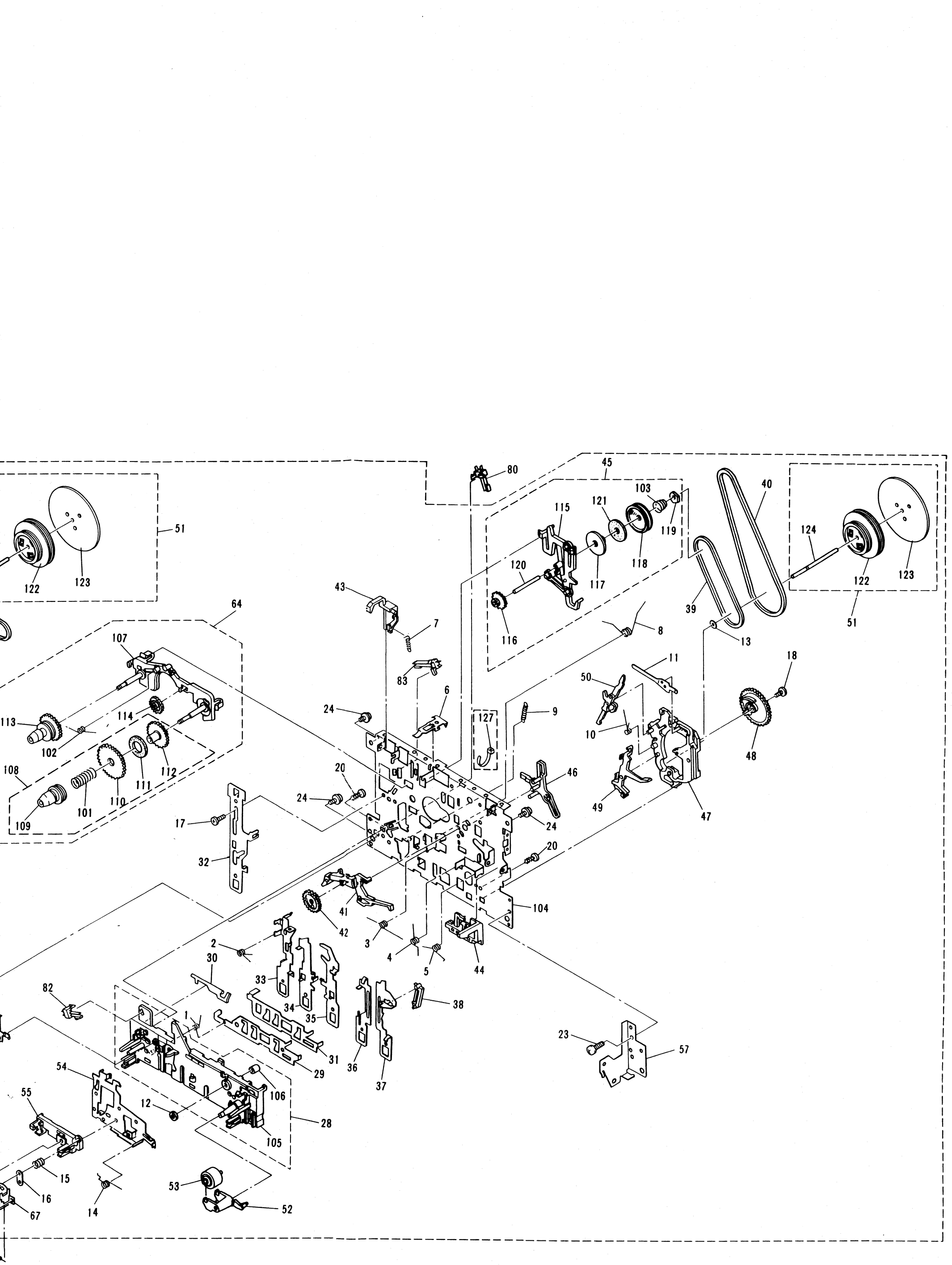
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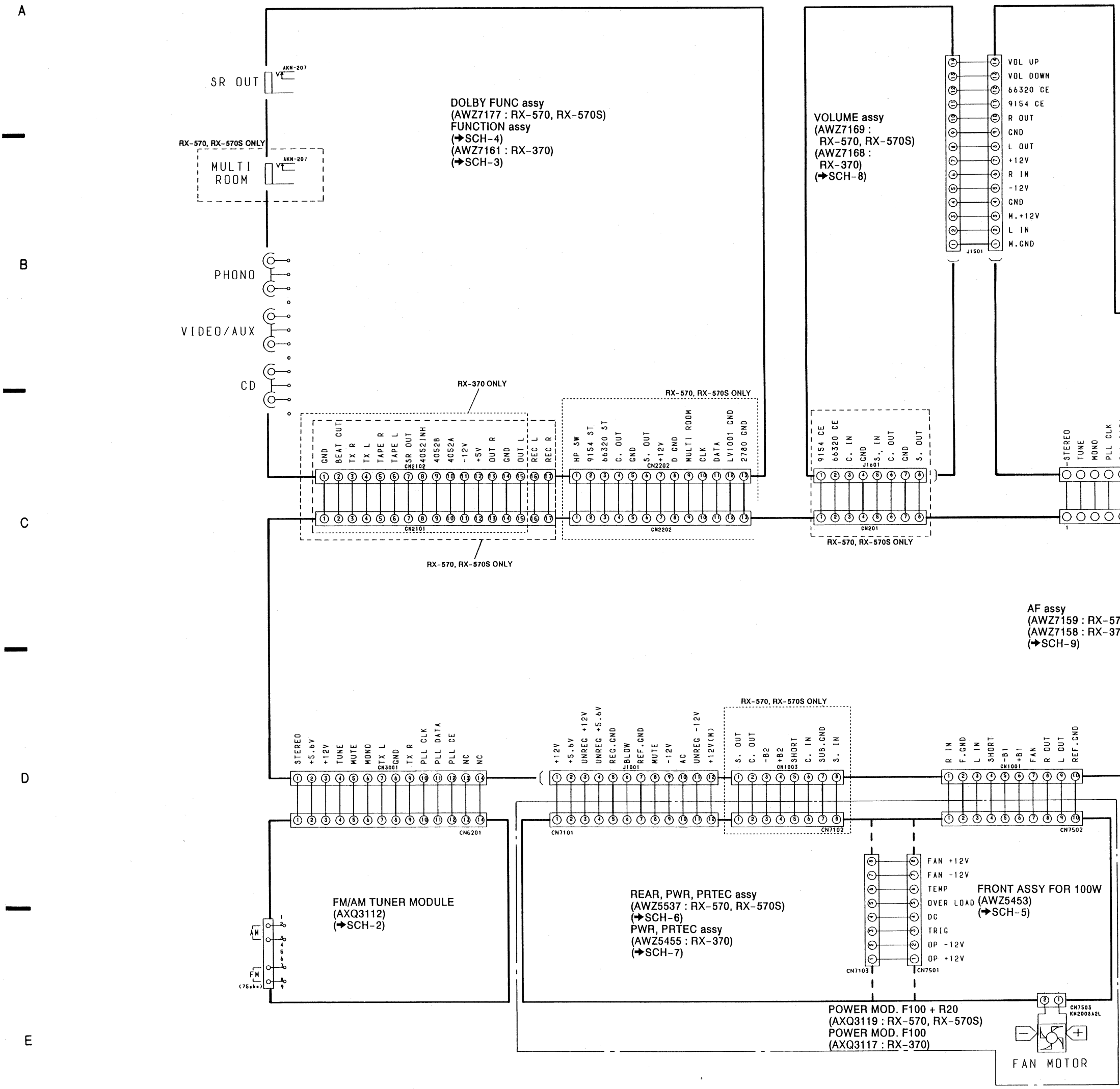
2.3 SCHEMATIC AND PCB CONNECTION DIAGRAMS

(1). OVERALL SCHEMATIC DIAGRAM



NOTE FOR SCHEMATIC DIAGRAMS (Type 1A)

1. **When ordering service parts, be sure to refer to "PARTS LIST of EXPLODED VIEWS" or "PCB PARTS LIST".**
2. **Since these are basic circuits, some parts of them or the values of some components may be changed for improvement.**
3. **RESISTORS:**
   Unit: k:kΩ, M:MΩ, or Ω unless otherwise noted.
   Rated power: 1/4W, 1/6W, 1/8W, 1/10W unless otherwise noted.
   Tolerance: (F): ±1%, (G): ±2%, (K): ±10%, (M): ±20% or ±5% unless otherwise noted.
4. **CAPACITORS:**
   Unit: p:pF or μF unless otherwise noted.
   Ratings: capacitor (μF)/ voltage (V) unless otherwise noted.
   Rated voltage: 50V except for electrolytic capacitors.
5. **COILS:**
   Unit: m:mH or μH unless otherwise noted.
6. **VOLTAGE AND CURRENT:**
   [V] : Signal voltage at rated output.
   [ ] or ← V :
   DC voltage (V) at no input signal unless otherwise noted.
   Value in ( ) is DC voltage at rated power.
   ⇦ mA or ← mA :
   DC current at no input signal unless otherwise noted.
7. **OTHERS:**
   - ⊘ or ⊘ : Adjusting point.
   - : Measurement point.
   - The ⚠ mark found on some component parts indicates the importance of the safety factor of the parts. Therefore, when replacing, be sure to use parts of identical designation.
8. **SCH—□ ON THE SCHEMATIC DIAGRAM:**
   - SCH—□ indicates the drawing number of the schematic diagram. (SCH stands for schematic diagram.)
9. **SWITCHES** (Underline indicates switch position):

HEADPHONE assy
S1201 SPEAKERS A/A+B

DISPLAY assy
S1810 VIDEO
S1811 PHONO
S1812 1/13
S1813 2/14
S1814 3/15
S1815 CD
S1816 4/16
S1817 5/17
S1818 TAPE
S1819 6/18
S1820 TUNER
S1821 S BASS
S1822 7/19
S1823 8/20
S1824 9/21
S1825 10/22
S1826 11/23
S1827 12/24

(RX-570, RX-57
S1830 REAR +
S1831 REAR —
S1832 CENTER
S1833 CENTER
S1834 CENTER
S1835 DOLBY P

POWER SW assy
S1801 POWER
S1802 TUNING
S1803 TUNING
S1804 MONO
S1805 MEMORY
S1806 BAND

TAPE IND assy
S1840 DOLBY N
S1841 HIGH SP

SCH—1 OVERALL SCHEMATIC DIAGRAM

VOLUME assy
(AWZ7169 :
RX-570, RX-570S)
(AWZ7168 :
RX-370)
(➔SCH-8)

J1501: VOL UP, VOL DOWN, 66320 CE, 9154 CE, R OUT, GND, L OUT, +12V, R IN, -12V, GND, M.+12V, L IN, M.GND

POWER SW assy
(AWZ7167)
(➔SCH-8)

u GND, POWER, u +5.6v, KO 0, KO 1, KO 2, KI 0, KI 1, KI 2, KI 5

J1801

TAPE IND. assy
(AWZ7170)
(➔SCH-8)

KI 0, KO 4, KI 1, HIGH, GND, DOLBY, +5V

J1802

DISPLAY assy
(AWZ7165 : RX-570, RX-570S)
(AWZ7164 : RX-370)
(➔SCH-8)

PLAY 1, REC, GND, PLAY2, MOTOR, PH, PL — J4951

CASSETTE MEC

TAPE2 R, TAPE2 L, TAPE2 GND, ERASE GND, ERASE HEAD

CN4002

RX-570, RX-570S ONLY

D GND, MULTI ROOM, CLK, DATA, LV1001 GND, 2780 GND

9154 CE, 66320 CE, C. IN, GND, S. IN, C. OUT, GND, S. OUT — J1601

CN201

RX-570, RX-570S ONLY

-STEREO, TUNE, MONO, PLL CLK, PLL DATA, PLL CE, 4052 INH, 4052 B, 4052 A, 9k/10k, CD CLK(SR), CD R/E(MR), CD DATA, PB 1/2, PB MUTE, U.GND, U.+5.6V, DOLBY P/R, DOLBY ON/OFF, HI SPEED, BIAS CONT, REC MUTE, POWER CONT, +5V, L IN, GND, R IN, MIC, R OUT, GND, L OUT, -12V, +12V, M.MUTE, M.GND, FAN, FL AC1, M.+12V, FL AC2, VFDP

CN1901 — CN101

AF assy
(AWZ7159 : RX-570, RX-570S)
(AWZ7158 : RX-370)
(➔SCH-9)

RX-570, RX-570S ONLY

S. OUT, C. OUT, -B2, +B2, SHORT, C. IN, SUB.GND, S. IN — CN1003 — CN7102

R IN, F.GND, L IN, SHORT, -B1, +B1, FAN, R OUT, L OUT, REF.GND — CN1001 — CN7502

-B, -B, +B, +B, GND, GND, SUB, CD, GND, CD, SUB, FL AC1, FL AC2, AC — J1101

SECONDARY assy
(AWZ7162)
(➔SCH-9)

FAN +12V, FAN -12V, TEMP, OVER LOAD, DC, TRIG, OP -12V, OP +12V — CN7103, CN7501

FRONT ASSY FOR 100W
(AWZ5453)
(➔SCH-5)

PWR, PRTEC assy
37 : RX-570, RX-570S)
-6)
RTEC assy
55 : RX-370)
-7)

POWER MOD. F100 + R20
(AXQ3119 : RX-570, RX-570S)
POWER MOD. F100
(AXQ3117 : RX-370)

CN7503 KM2003A2L

FAN MOTOR

FU601 : AEK-309 6.3A/125V

NEUTRAL, LIVE

AKP1015

AC POWER CORD
ADG1015
AC120V/60Hz

120V, 0V, 0V

POWER TRANSFORMER
T1 ATS7021 (RX-570, RX-570S)
ATS7020 (RX-370)

HE
(AW
(AW
(➔S

: Adjusting point.
: Measurement point.
nark found on some component parts indicates the im-
e of the safety factor of the parts. Therefore, when re-
be sure to use parts of identical designation.

ON THE SCHEMATIC DIAGRAM:
indicates the drawing number of the schematic dia-
SCH stands for schematic diagram.)

S (Underline indicates switch position):

HONE assy
201 SPEAKERS A/A+B

DISPLAY assy
S1810 VIDEO
S1811 PHONO
S1812 1/13
S1813 2/14
S1814 3/15
S1815 CD
S1816 4/16
S1817 5/17
S1818 TAPE
S1819 6/18
S1820 TUNER
S1821 S BASS
S1822 7/19
S1823 8/20
S1824 9/21
S1825 10/22
S1826 11/23
S1827 12/24

(RX-570, RX-570S ONLY)
S1830 REAR +
S1831 REAR −
S1832 CENTER +
S1833 CENTER −
S1834 CENTER MODE
S1835 DOLBY PRO LOGIC

POWER SW assy
S1801 POWER
S1802 TUNING −
S1803 TUNING +
S1804 MONO
S1805 MEMORY
S1806 BAND

TAPE IND assy
S1840 DOLBY NR
S1841 HIGH SPEED COPY

SCH-1

RX-570, RX-570S ONLY

POWER SW assy
(AWZ7167)
(➔SCH-8)

u GND
POWER
u +5.6v
KO 0
KO 1
KO 2
KI 0
KI 1
KI 2
KI 5

J1801

TAPE IND. assy
(AWZ7170)
(➔SCH-8)

KI 0
KO 4
KI 1
HIGH
GND
DOLBY
+5V

J1802

DISPLAY assy
(AWZ7165 : RX-570, RX-570S)
(AWZ7164 : RX-370)
(➔SCH-8)

PLL CE
4052 INH
4052 B
4052 A
-9v/10k
CD CLK(SR)
CD R/E(MR)
CD DATA
PB 1/2
PB MUTE
U.GND
U.+5.6V
DOLBY P/R
DOLBY ON/OFF
HI SPEED
BIAS CONT
REC MUTE
POWER CONT
+5V
L IN
GND
R IN
MIC
R OUT
GND
L OUT
-12V
+12V
M.MUTE
M.GND
FAN
FL AC1
M.+12V
FL AC2
VFDP

CN1901
CN101

PLAY 1
REC
GND
PLAY2
MOTOR
PH
PL

J4951

CASSETTE MECHA UNIT

TAPE2 R
TAPE2 L
TAPE2 GND
ERASE GND
ERASE HEAD

CN4002

TAPE1 L
TAPE1 GND
TAPE1 R

CN4001

SUB SP OUT assy
(AWZ7179)
(➔SCH-4)

C. OUT
C. GND
R. OUT
R. GND

CN6106
CN301

REAR
SP OUT

CENTER
SP OUT

FRONT
SP A

FRONT
SP B

PLAYER
+12V

RX-570S)

FU601 : AEK-309 6.3A/125V

-B
-B
+B
+B
GND
GND
SUB
CD
GND
CD
SUB
FL AC1
FL AC2
AC

J1101

SECONDARY assy
(AWZ7162)
(➔SCH-9)

AKP1015

NEUTRAL
LIVE

AC POWER CORD
ADG1015
AC120V/60Hz

HP SW
L(B) OUT
L IN
L(A) OUT
GND
R(A) OUT
R IN
R(B) OUT

CN1203
J1201

HEADPHONE assy
(AWZ7163 : RX-570, RX-570S)
(AWZ7262 : RX-370)
(➔SCH-8)

HEAD
PHONE

120V
0V
0V

⚠ POWER TRANSFORMER
T1 ATS7021 (RX-570, RX-570S)
ATS7020 (RX-370)

S ONLY)

ODE
O LOGIC

ED COPY

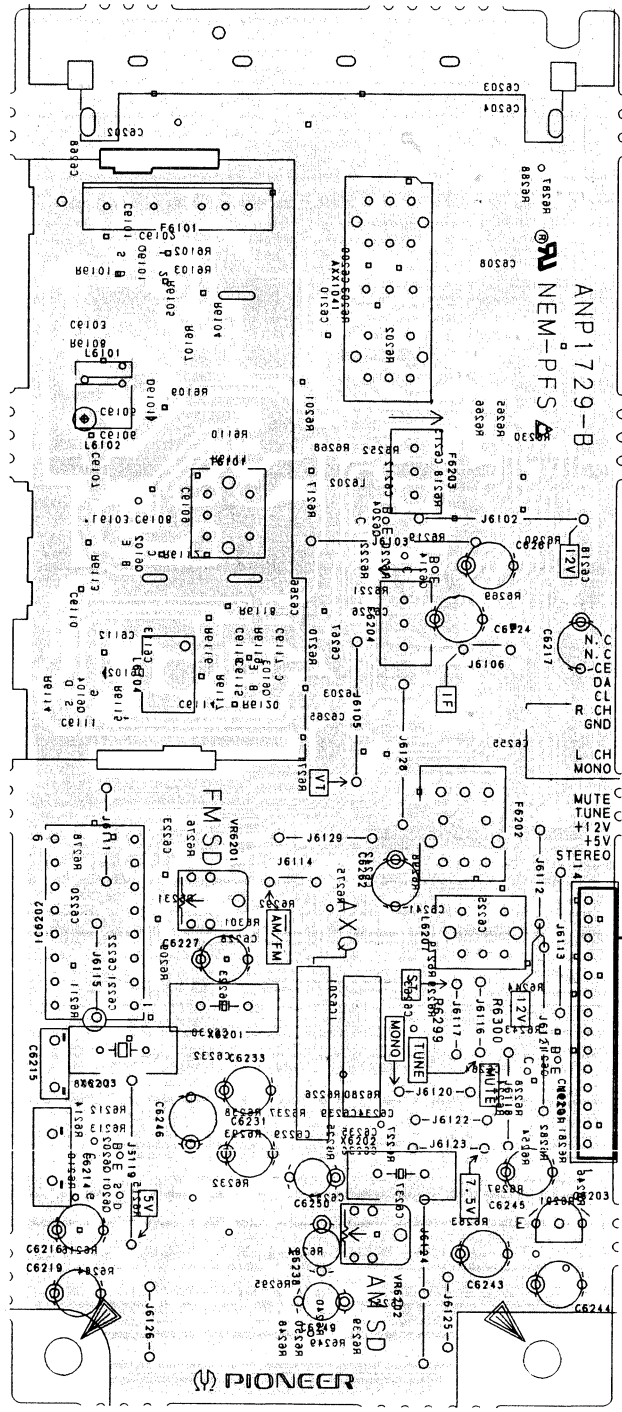
OVERALL SCHEMATIC DIAGRAM **SCH-1**

(2). FM\AM TUNER MODULE

(2). FM/AM TUNER MODULE

PCB – 1

FM/AM TUNER MODULE



- This diagram is viewed from the mounted parts side.

NOTE FOR PCB DIAGRAMS:

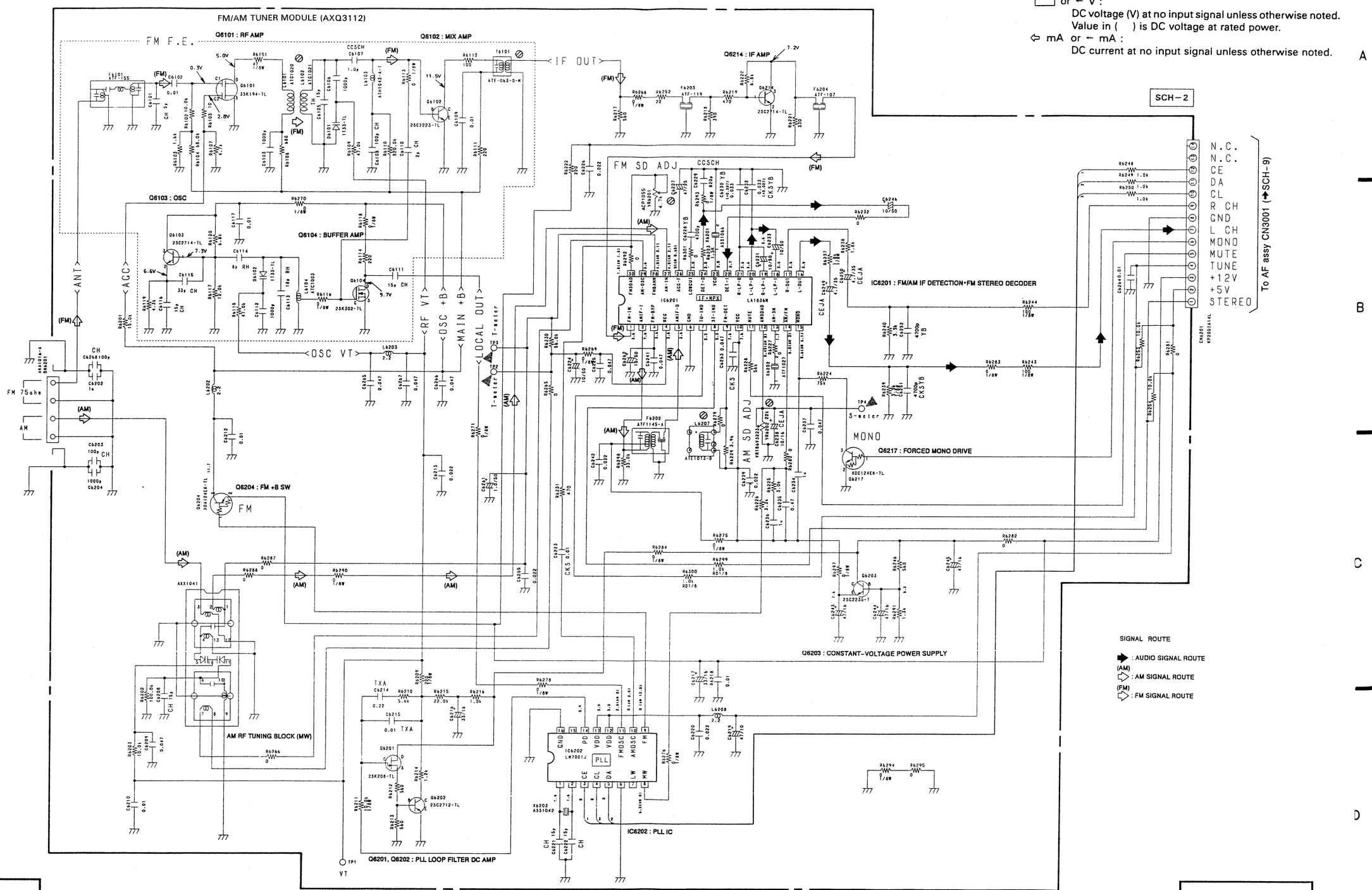
1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
Q504 E Q504	Q504 Q504	Transistor
D203 D203	D203	Diode
C513 C513	C513	Capacitor (Polarized)

3. The transistor terminal marked with E or ⊏ shows the emitter.
4. The diode terminal marked with ◎ or ⊐ shows cathode side.
5. The capacitor terminal marked with ◎ or ⊏ shows negative terminal.

NOTE: VOLTAGE AND CURRENT

mV : Signal voltage at FM 1kHz, 100% MOD.
or ← V :
DC voltage (V) at no input signal unless otherwise noted.
Value in ( ) is DC voltage at rated power.
⇦ mA or ← mA :
DC current at no input signal unless otherwise noted.



(3). FUNCTION ASSY

SCH-3

RX-370 ONLY

FUNCTION assy
(AWZ7161)

PHONO EQ AMP

SIGNAL ROUTE
: AUDIO (PHONO) SIGNAL
: TAPE 2 PLAY SIGNAL

PHONO

CHASSIS GND

VTR

CD

SR OUT

PJ6102
AK81121

P6106
AKN-207

IC2101
NJM4558DXP

IC2102
TC4052BP

IC2103
NJM4558DXP

FUNCTION SW

BUFFER

5.0V

R2101 1k
R2102 1k
R2103 18k
R2104 18k
R2105 750
R2106 750
R2107 47k
R2108 47k
R2109 470k
R2110 470k
R2111 82
R2112 220
R2113 220
R2115 1k
R2116 1k
R2117 1k
R2118 1k
R2119 1k
R2123 221
R2124 10k
R2125 10k
C2101 470p
C2102 470p
C2103 3.3/50
C2104 3.3/50
C2105 1500p
C2106 1500p
C2107 5600p
C2108 5600p
C2109 47/16
C2110 47/16
C2111 0.047
C2112 0.047
C2131 0.047
C2132 0.047
100p

TP6101 L
TP6102 G
TP6103 R

CN2102
KP2001A16L

15	OUT L
14	GND
13	OUT R
12	+5V
11	-12V
10	4052 A
9	4052 B
8	4052 INH
7	SR OUT
6	TAPE L
5	TAPE R
4	TX L
3	TX R
2	BEAT CUT
1	GND

To AF assy CN2101 (→SCH-9)

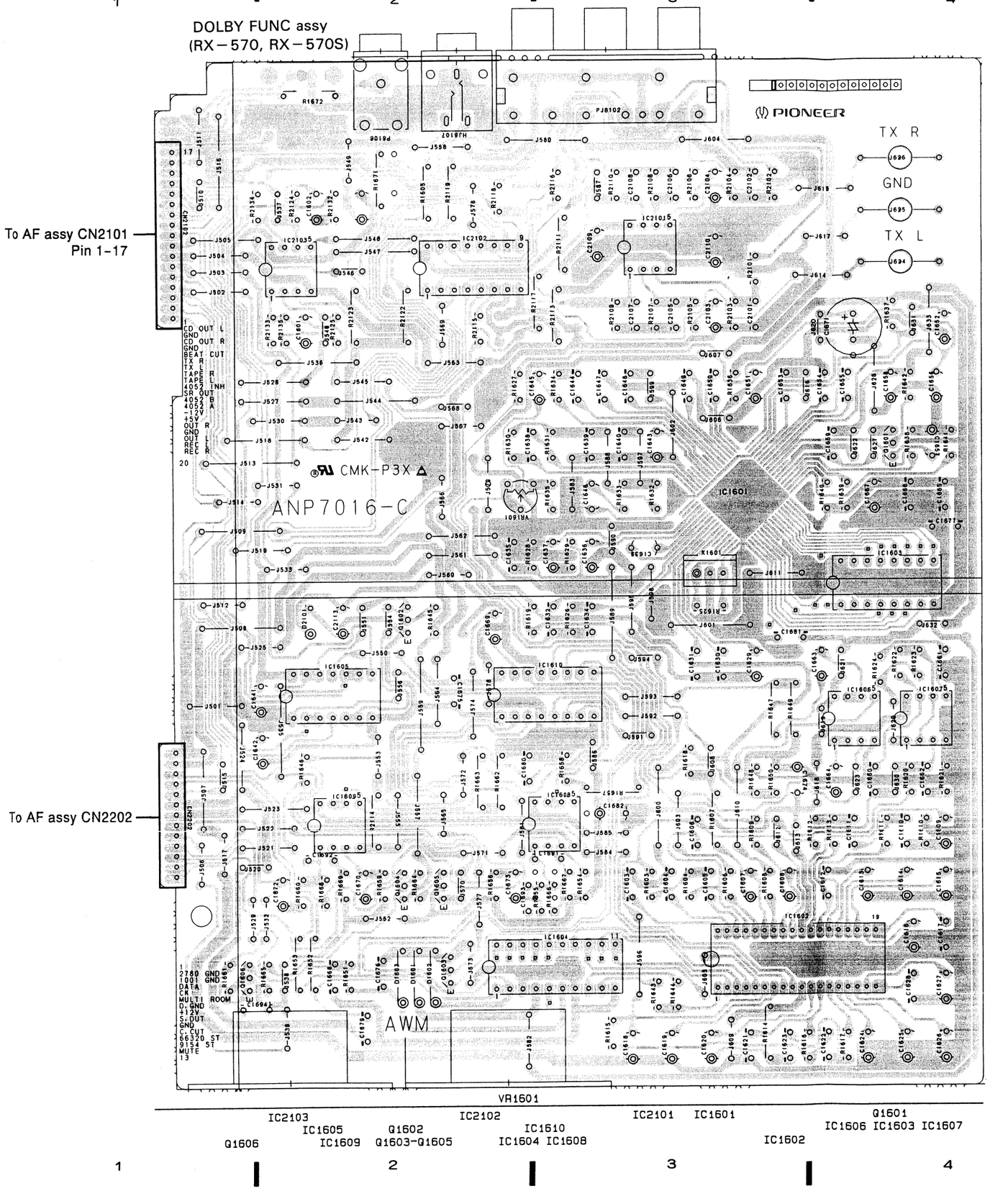
SCH-3 FUNCTION ASSY

FUNCTION ASSY SCH-3

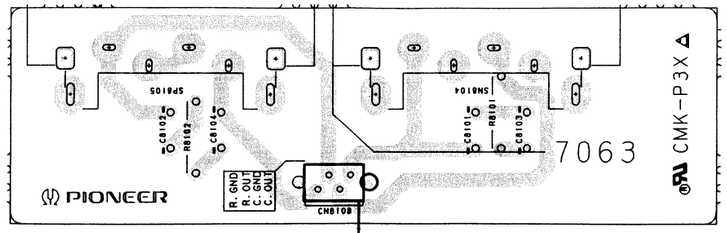
PCB-2

- This diagram is viewed from the mounted parts side.

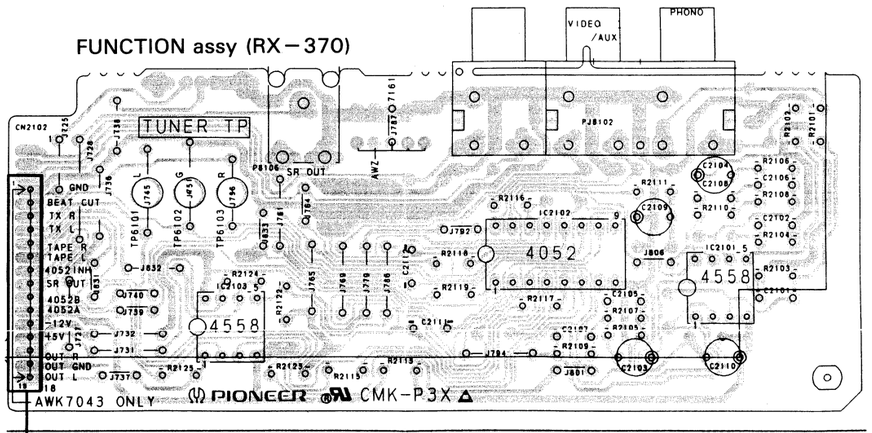
DOLBY FUNC assy
(RX-570, RX-570S)



SUB SP OUT assy

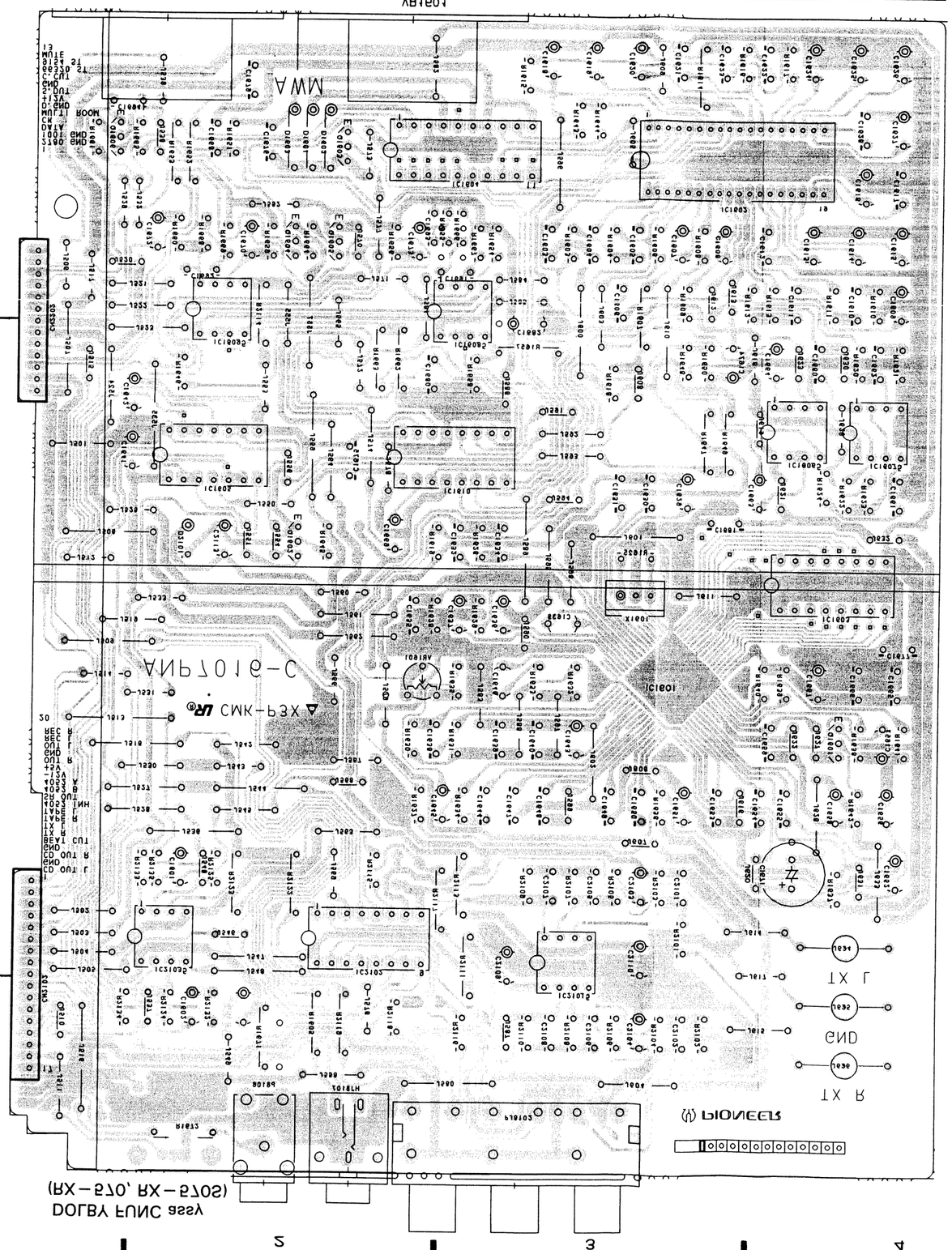


FUNCTION assy (RX-370)



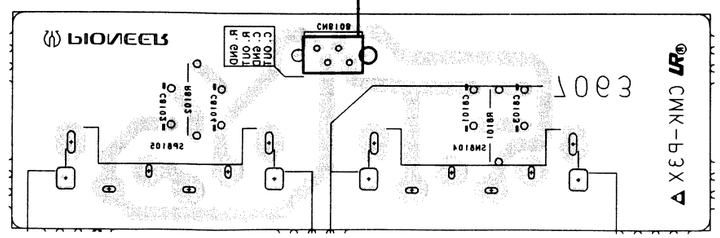
AX-270, AX-270S, AX-370

DOUBLY FUNC ssyy
(AX-270, AX-270S)

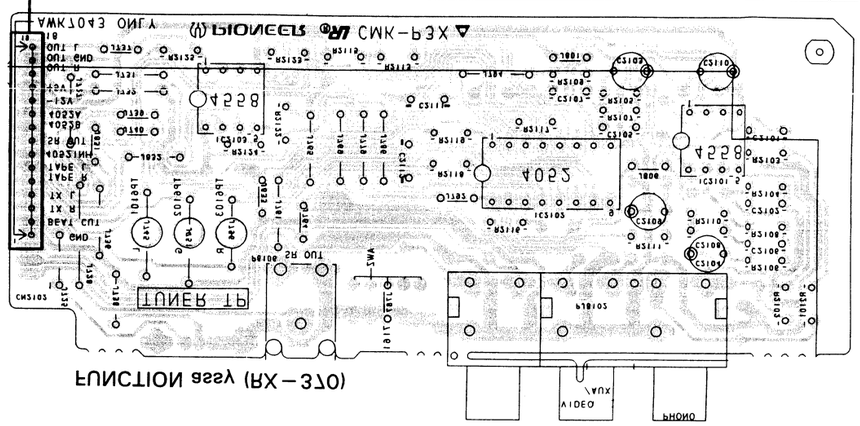


● This diagram is viewed from the foil side.

SUB SP OUT ssyy



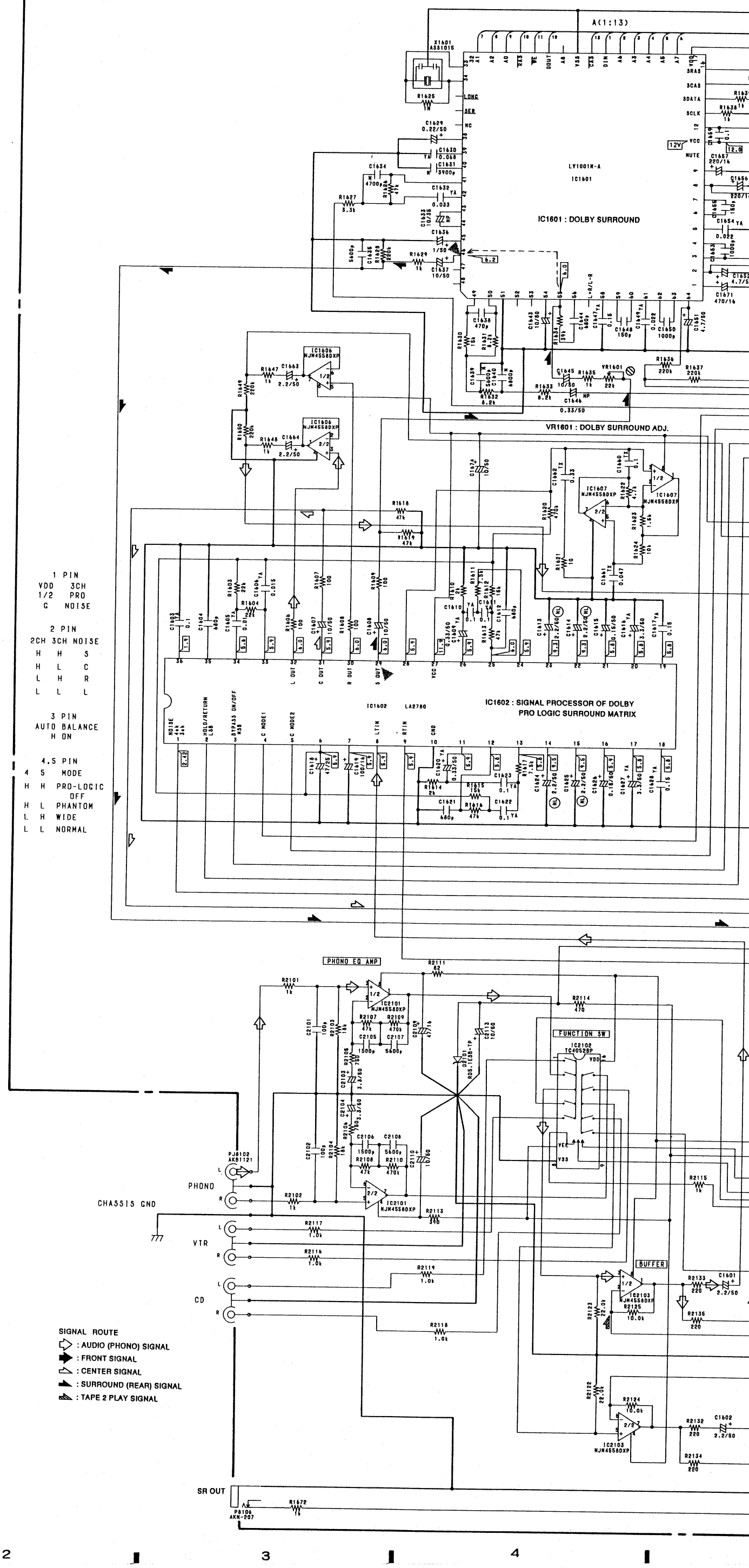
FUNCTION ssyy (AX-370)



(4). DOLBY FUNC ASSY AND SUB SP OUT ASSY

RX-570, RX-570S ONLY

DOLBY FUNC assy (AWZ7177)



SCH−4 DOLBY FUNC ASSY, SUB SP OUT ASSY

(AWZ7177)

SCH-4

A(1:13)

X1601 A531015

IC1601 : DOLBY SURROUND

IC1603 : 64k DRAM

IC1604 : PORT-EXPANDER

RX-570, RX-570S ONLY

SUB SP OUT assy (AWZ7179)

R.OUT
R.GND
C.OUT
C.GND

To AF assy CN301 (→SCH-9)

VR1601 : DOLBY SURROUND ADJ.

CENTER MODE 1
CENTER MODE 2
NOISE ch.SEL.1
NOISE ch.SEL.2
NOISE MODE 1
NOISE MODE 2

IC1605 : SIGNAL PASS ON/OFF SW FOR DOLBY PRO LOGIC SURROUND

IC1602 : SIGNAL PROCESSOR OF DOLBY PRO LOGIC SURROUND MATRIX

IC1610 : ELECTRIC VOLUME

PHONO EQ AMP

FUNCTION SW

BUFFER

PHONO

VTR

CD

TP2101 TX L
TP2103
TP2102 TX R

SR OUT

ONO) SIGNAL
NAL
GNAL
(REAR) SIGNAL
Y SIGNAL

SCH-4

RX-570, RX-570S ONLY

SUB SP OUT assy (AWZ7179)

To AF assy CN301 (➡SCH-9)

R.OUT
R.GND
C.OUT
C.GND

IC1603 : 64k DRAM

IC1604 : PORT-EXPANDER

IC1605 : SIGNAL PASS ON/OFF SW FOR DOLBY PRO LOGIC SURROUND

IC1610 : ELECTRIC VOLUME

MULTI ROOM

To AF assy CN2202 (➡SCH-9)

2780 GND
LV1001 GND
DATA
CLK
MULTI ROOM
D.GND
+12V
S.OUT
GND
C.CUT
66320 ST
9154 ST
HP SW

CENTER MODE 1
CENTER MODE 2
NOISE ch.SEL.1
NOISE ch.SEL.2
NOISE MODE 1
NOISE MODE 2

TP2101 TX L
TP2103
TP2102 TX R

To AF assy CN2101 (➡SCH-9)

REC R
REC L
OUT L
GND
OUT R
+5V
-12V
4052 A
4052 B
4052 INH
SR OUT
TAPE L
TAPE R
TX L
TX R
BEAT CUT
GND

IC1603

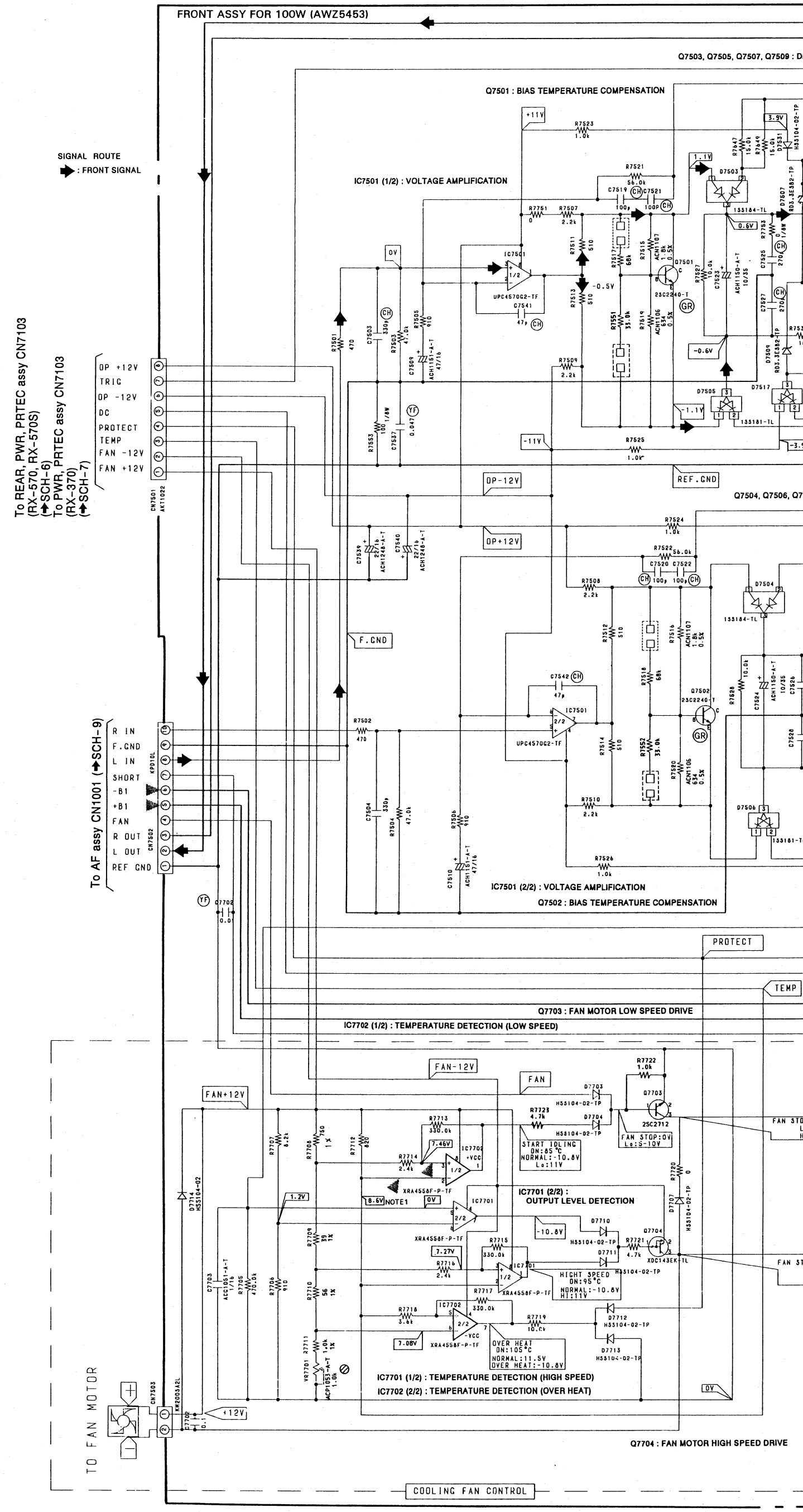
Pin No.	Voltage (V)	Pin No.	Voltage (V)
1		9	1.3
2	2.6	10	2.0
3	4.2	11	2.4
4	1.1	12	2.2
5	2.3	13	2.1
6	2.0	14	2.1
7	1.9	15	2.8
8	5.0	16	

CENTER MODE1	CENTER MODE2	
L	L	NORMAL
H	L	PHANTOM
H	H	OFF

DOLBY FUNC ASSY, SUB SP OUT ASSY

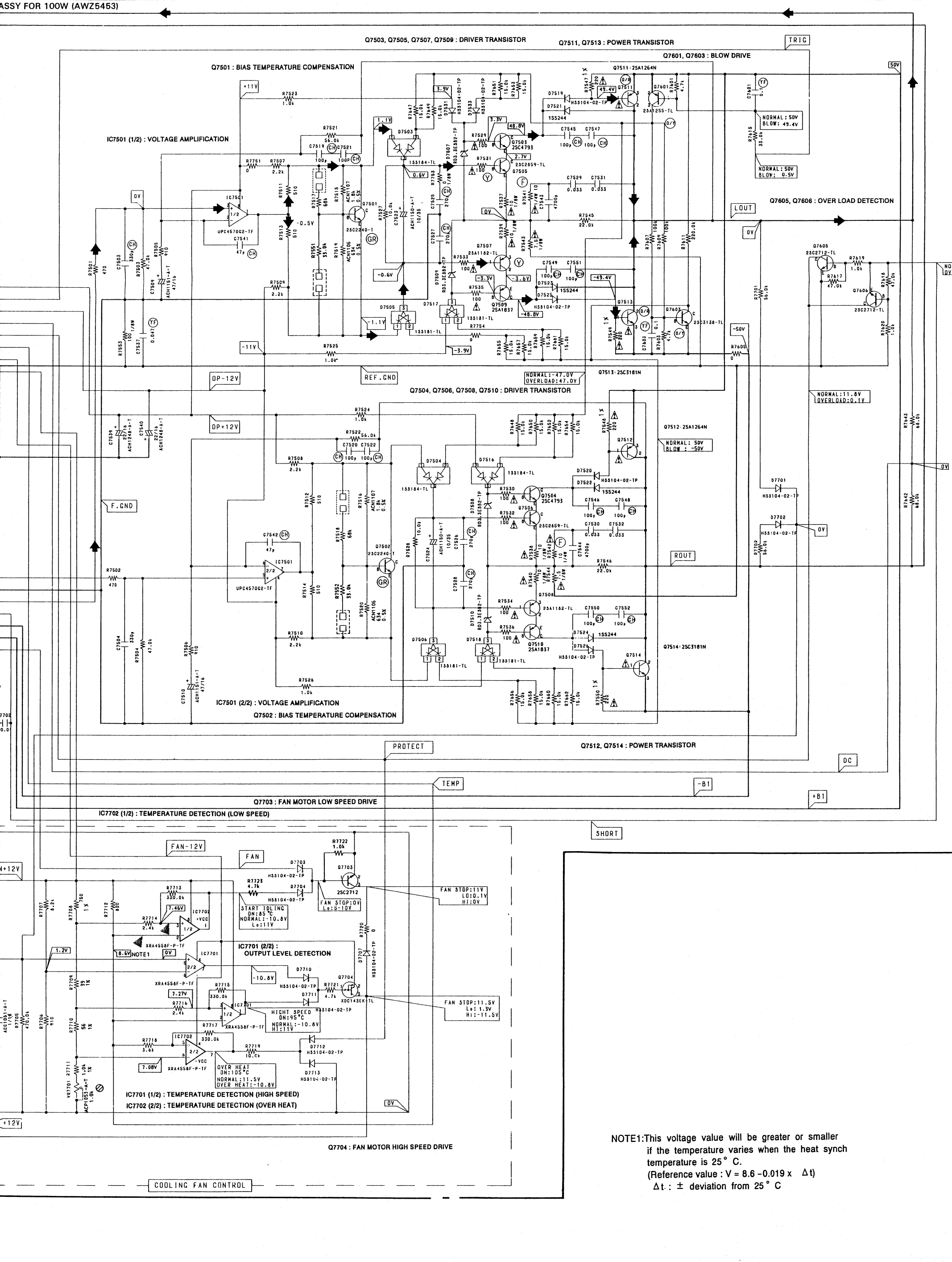
SCH-4

(5). FRONT ASSY FOR 100W

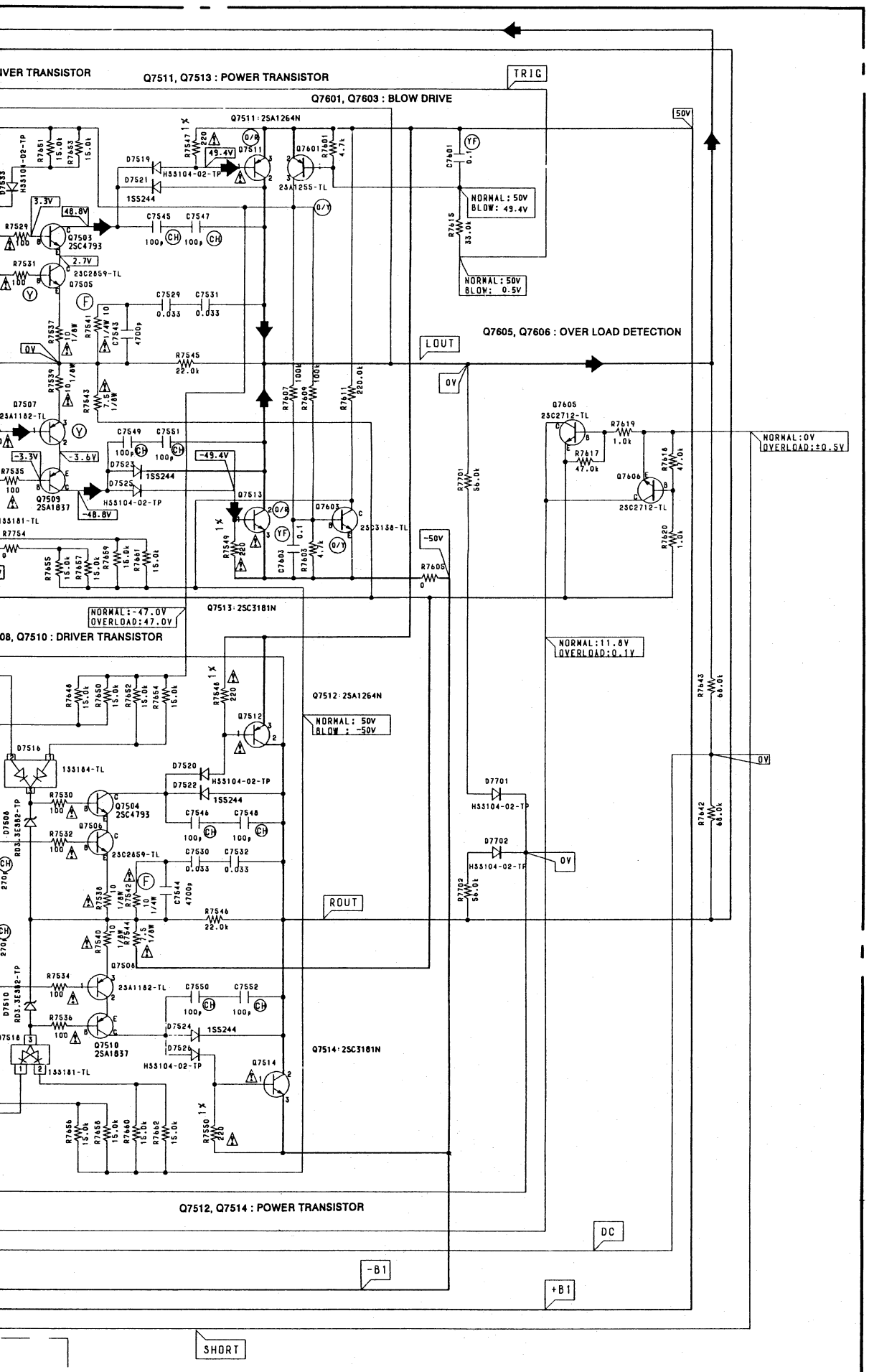


SCH−5 FRONT ASSY FOR 100W (For RX−570, RX−570S, RX−370)

ASSY FOR 100W (AWZ5453)



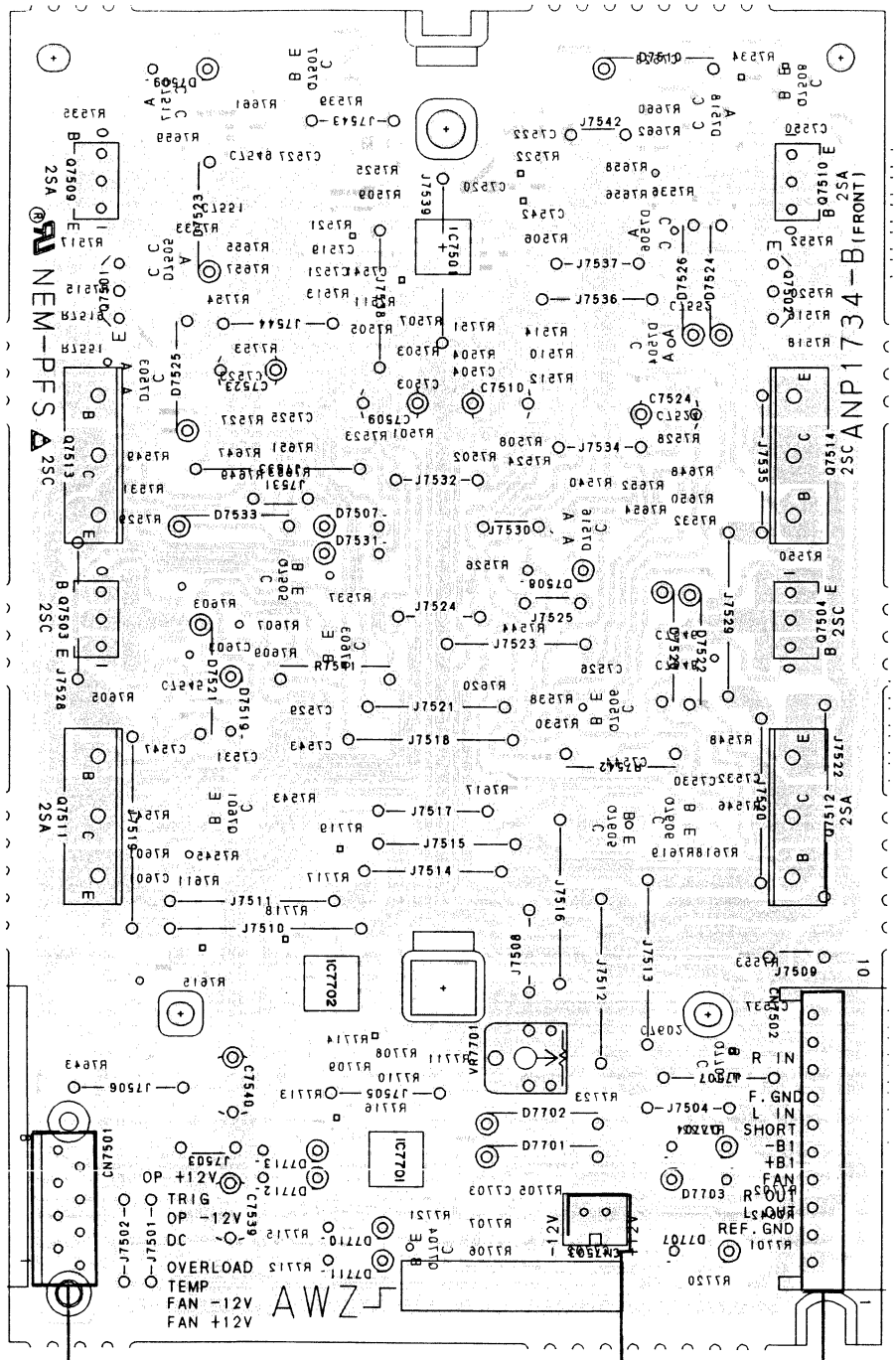
NOTE1:This voltage value will be greater or smaller if the temperature varies when the heat synch temperature is 25° C.
(Reference value : V = 8.6 -0.019 x Δt)
Δt : ± deviation from 25° C



NOTE1: This voltage value will be greater or smaller if the temperature varies when the heat synch temperature is 25° C.
(Reference value : V = 8.6 -0.019 x Δt)
Δt : ± deviation from 25° C

FRONT ASSY FOR 100W
(For RX—570, RX—570S, RX—370)

FRONT ASSY FOR 100W



Q7507 Q7508

Q7509 Q7510

IC7501

Q7501 Q7502

Q7513 Q7514

Q7505

Q7503 Q7504
Q7603

Q7506

Q7511 Q7512
Q7601 Q7606
Q7605

IC7702

Q7703

VR7701

IC7701

Q7704

- This diagram is viewed from the mounted parts side.

● This diagram is viewed from the foil side.

(6). REAR, PWR, PRTEC ASSY

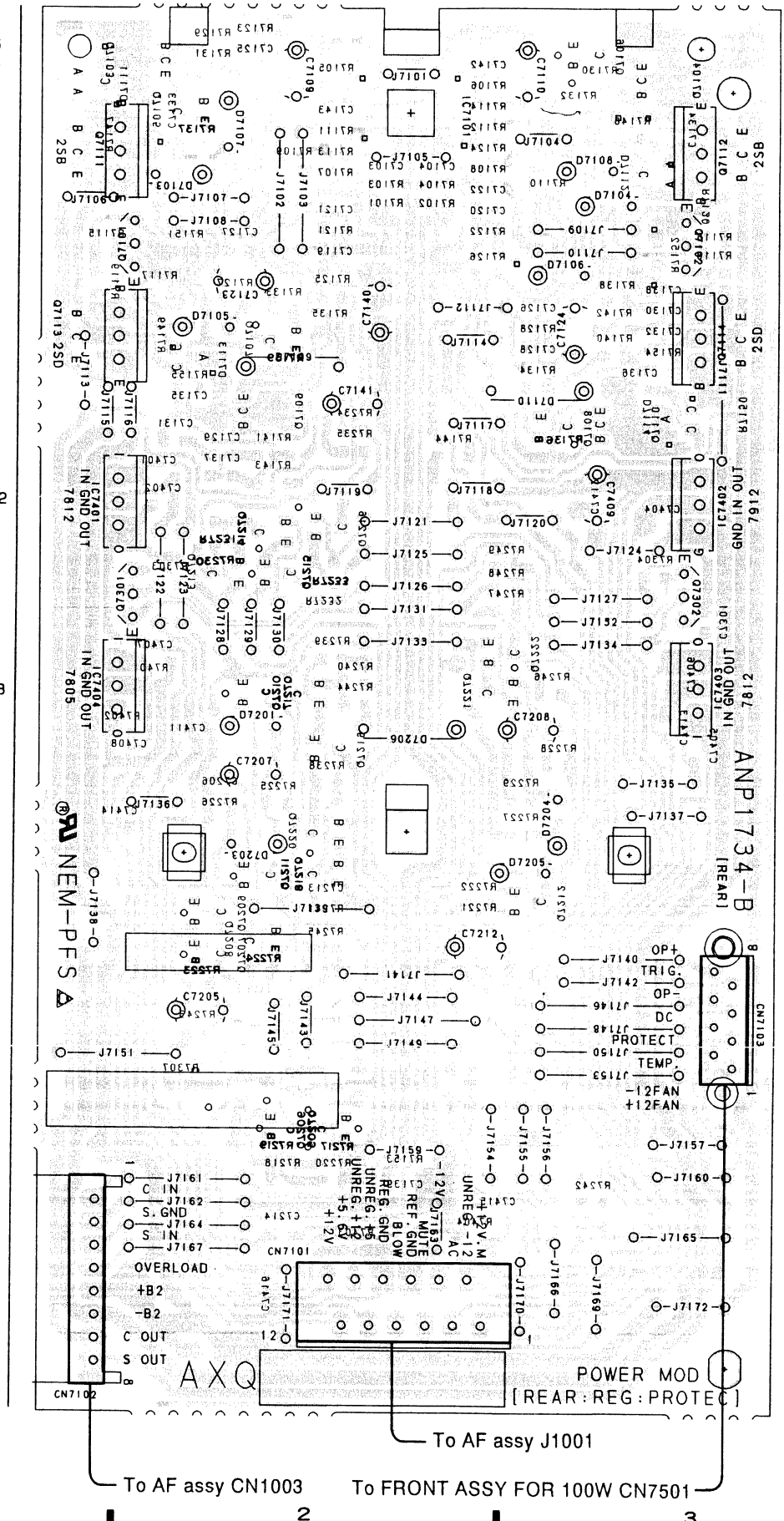
- This diagram is viewed from the foil side.

(6). REAR, PWR, PRTEC ASSY

- This diagram is viewed from the mounted parts side.

PCB-4

REAR, PWR, PRTEC assy



RX-570, RX-570S ONLY

REAR, PWR, PRTEC assy (AWZ5537)

SCH-6

Q7111, Q7113 : POWER TRANSISTOR

Q7101 : BIAS TEMPERATURE COMPENSATION

IC7101 (1/2) : VOLTAGE AMPLIFICATION

Q7103, Q7105, Q7107, Q7109 : DRIVER TRANSISTOR

Q7217-Q7220, Q7211 : BLOW DRIVE

Q7205, Q7206 : OVER LOAD DETECTION

SIGNAL ROUTE
⇨ : SURROUND (REAR) SIGNAL
▬ : CENTER SIGNAL

From AF assy J1001 (➡SCH-9)
+12V
+5.6V
UNREG+12
UNREG+5
REG.GND
BLOW
REF.GND
MUTE
-12V
AC
UNREG-12
+12V.M.

CENTER POWER AMP

Q7104, Q7106, Q7108, Q7110 : DRIVER TRANSISTOR

Q7112, Q7114 : POWER TRANSISTOR

IC7101 (2/2) : VOLTAGE AMPLIFICATION

SURROUND POWER AMP

Q7102 : BIAS TEMPERATURE COMPENSATION

Q7207-Q7210, Q7212, Q7221, Q7222 : MUTE DRIVE

Q7213-Q7216 : VOLTAGE AMPLIFICATION STAGE OP AMP. +B SW

To AF assy CN1003 (➡SCH-9)
S OUT
C OUT
-B2
+B2
OVERLOAD
S IN
S.GND
C IN

To FRONT ASSY FOR 100W CN7501 (➡SCH-5)
OP+
TRIG.
OP-
DC
PROTECT
TEMP.
-12FAN
+12FAN

IC7401 : +12V 3-TERMINAL REGULATOR

IC7403 : +12V 3-TERMINAL REGULATOR (MOTOR SYSTEM)

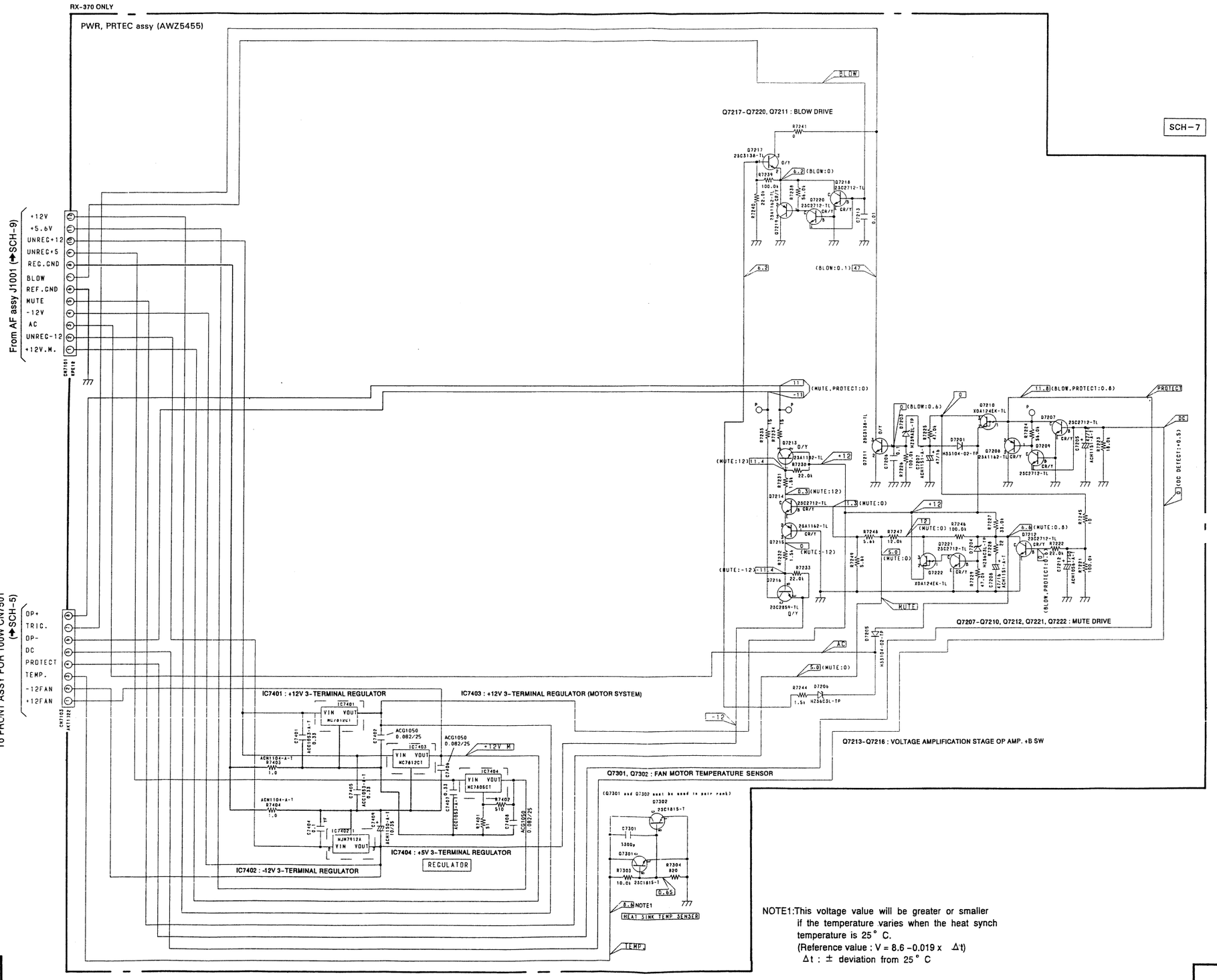
IC7404 : +5V 3-TERMINAL REGULATOR

IC7402 : -12V 3-TERMINAL REGULATOR

Q7301, Q7302 : FAN MOTOR TEMPERATURE SENSOR

NOTE1:This voltage value will be greater or smaller if the temperature varies when the heat synch temperature is 25° C.
(Reference value : V = 8.6 -0.019 x Δt)
Δt : ± deviation from 25° C

(7). PWR, PRTEC ASSY

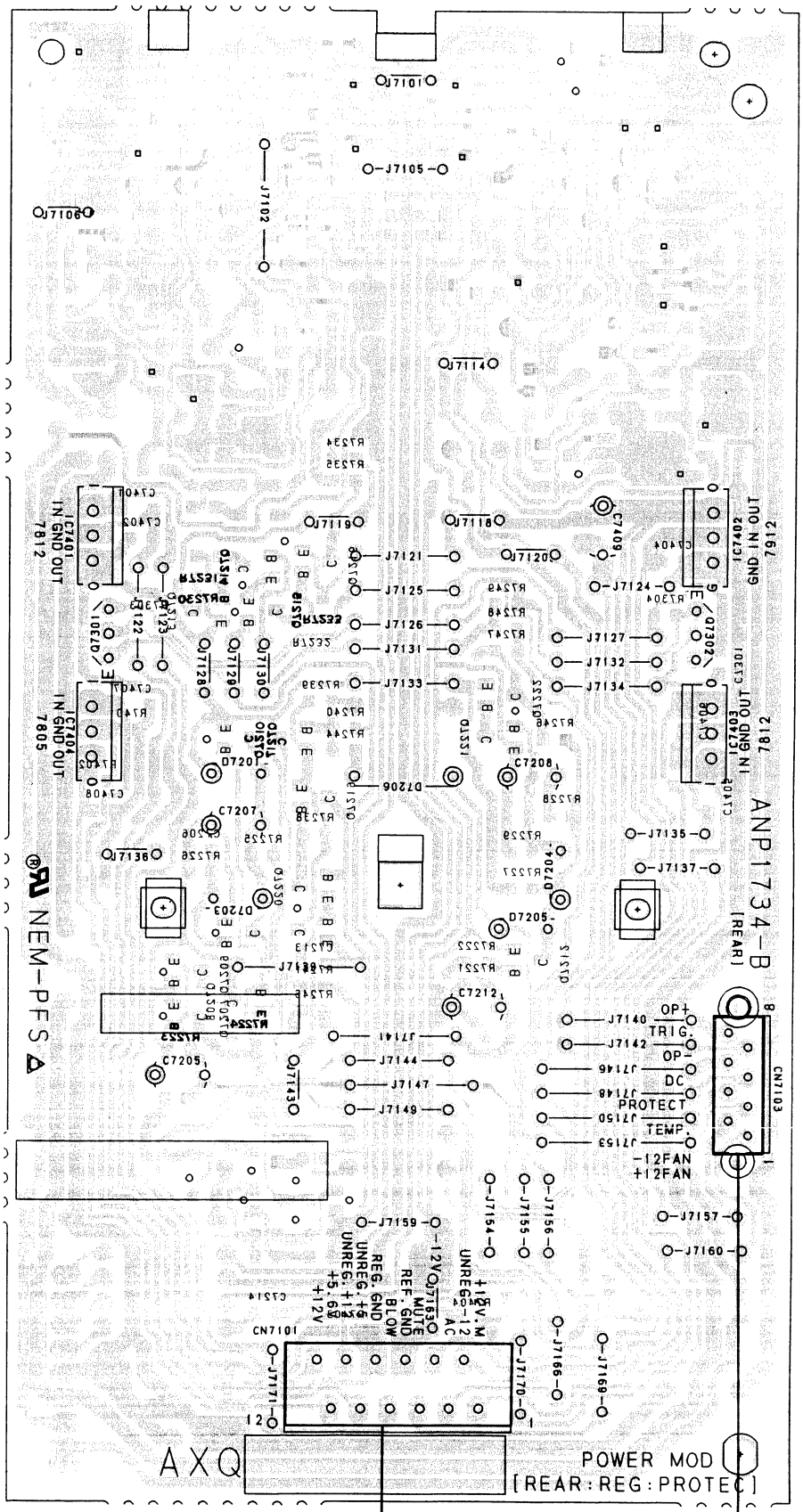


NOTE1:This voltage value will be greater or smaller if the temperature varies when the heat synch temperature is 25° C.
(Reference value : V = 8.6 −0.019 x Δt)
Δt : ± deviation from 25° C

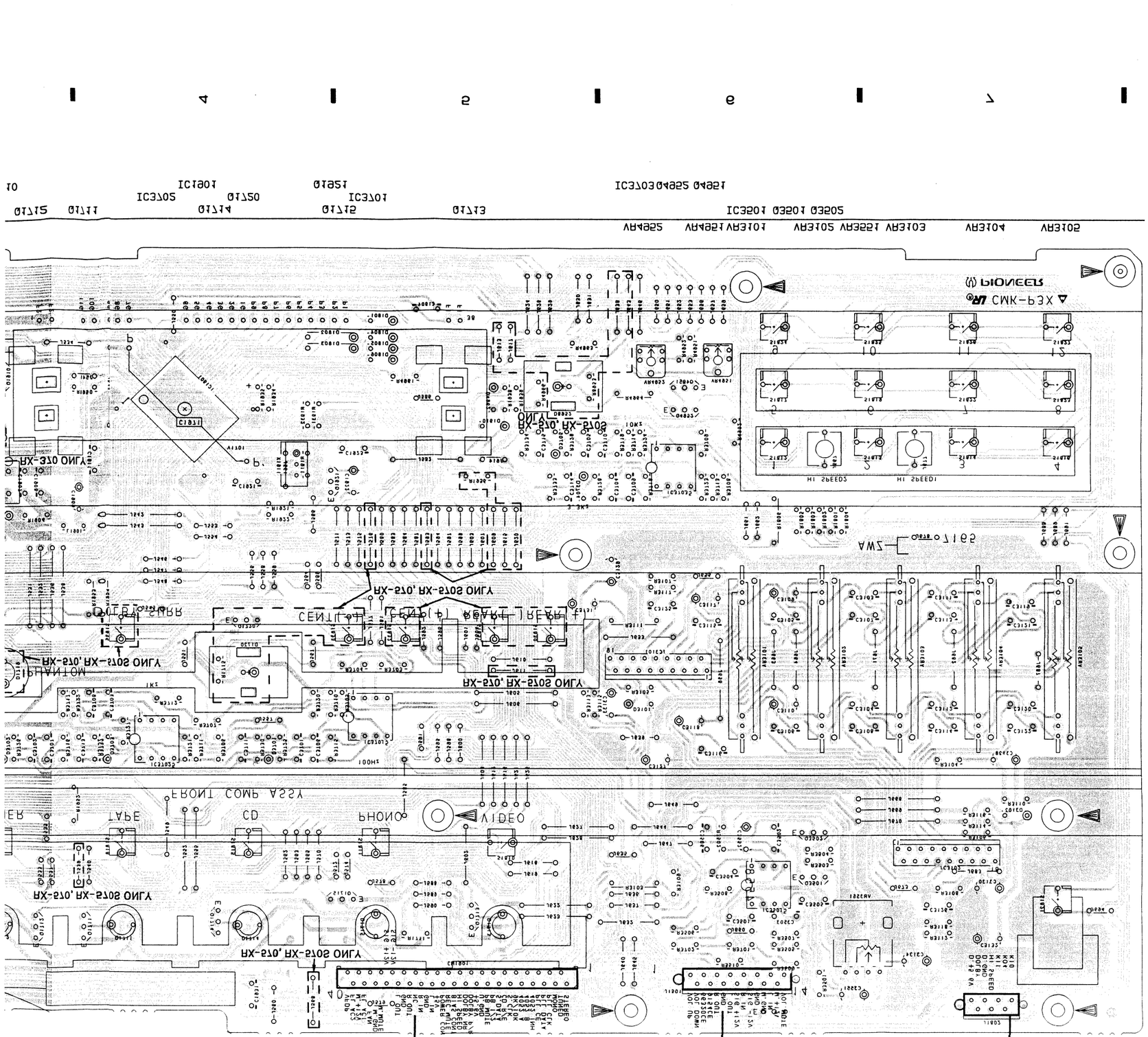
PCB-5

PWR, PRTEC assy

• This diagram is viewed from the mounted parts side.



- This diagram is viewed from the foil side.

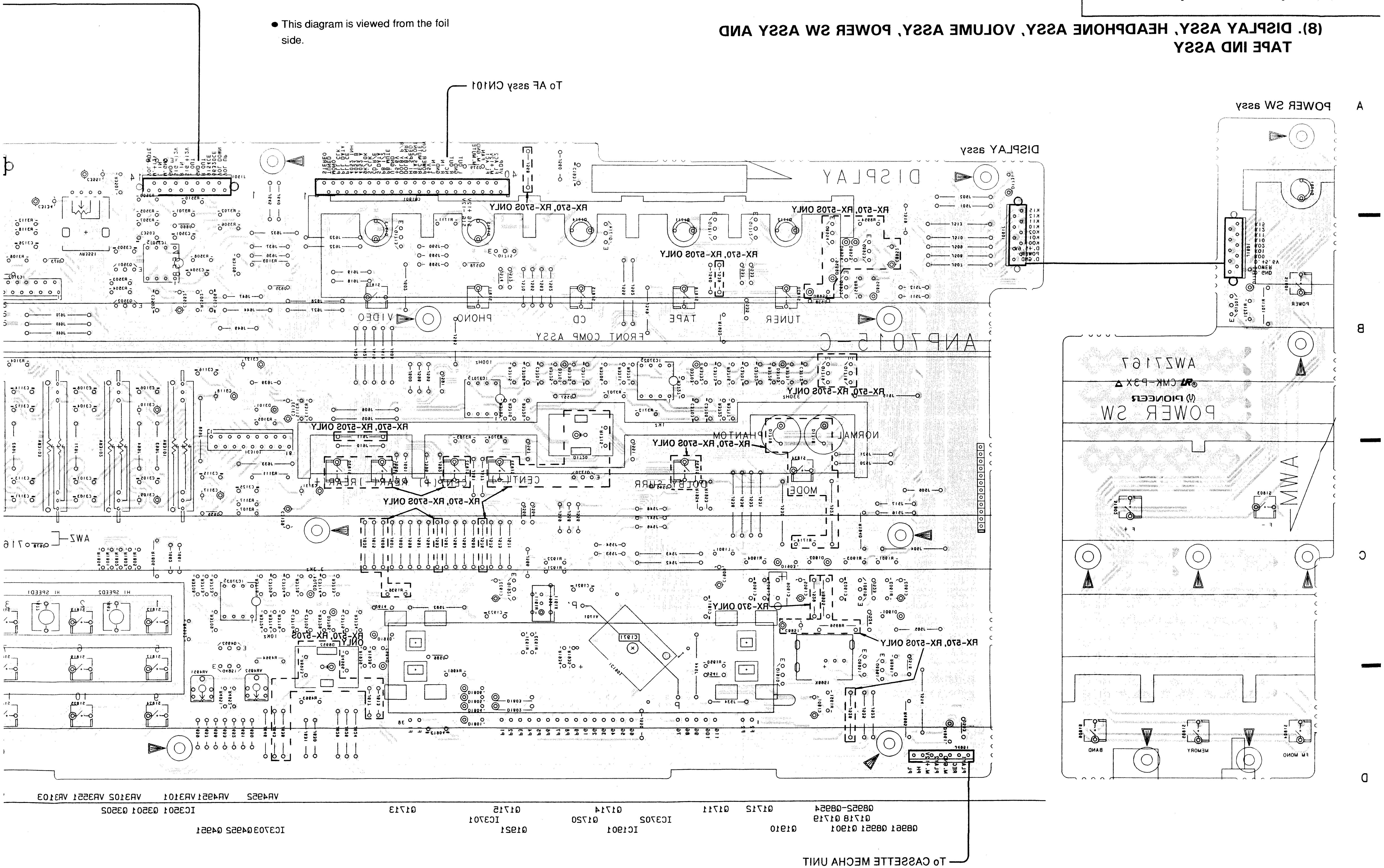


● This diagram is viewed from the foil side.

DNA ysi:

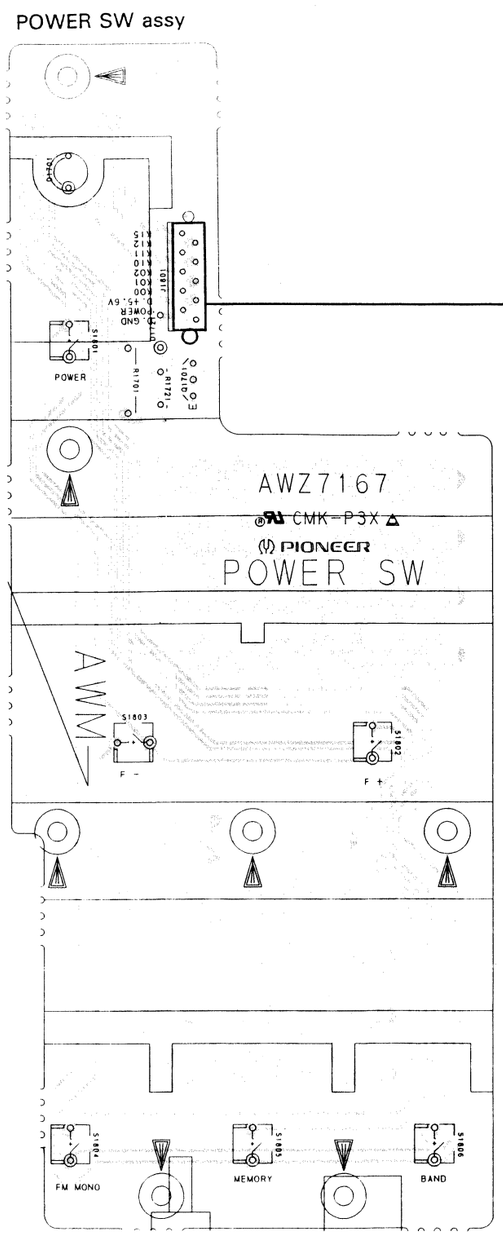
(8). DISPLAY ASSY, HEADPHONE ASSY, VOLUME ASSY, POWER SW ASSY AND TAPE IND ASSY

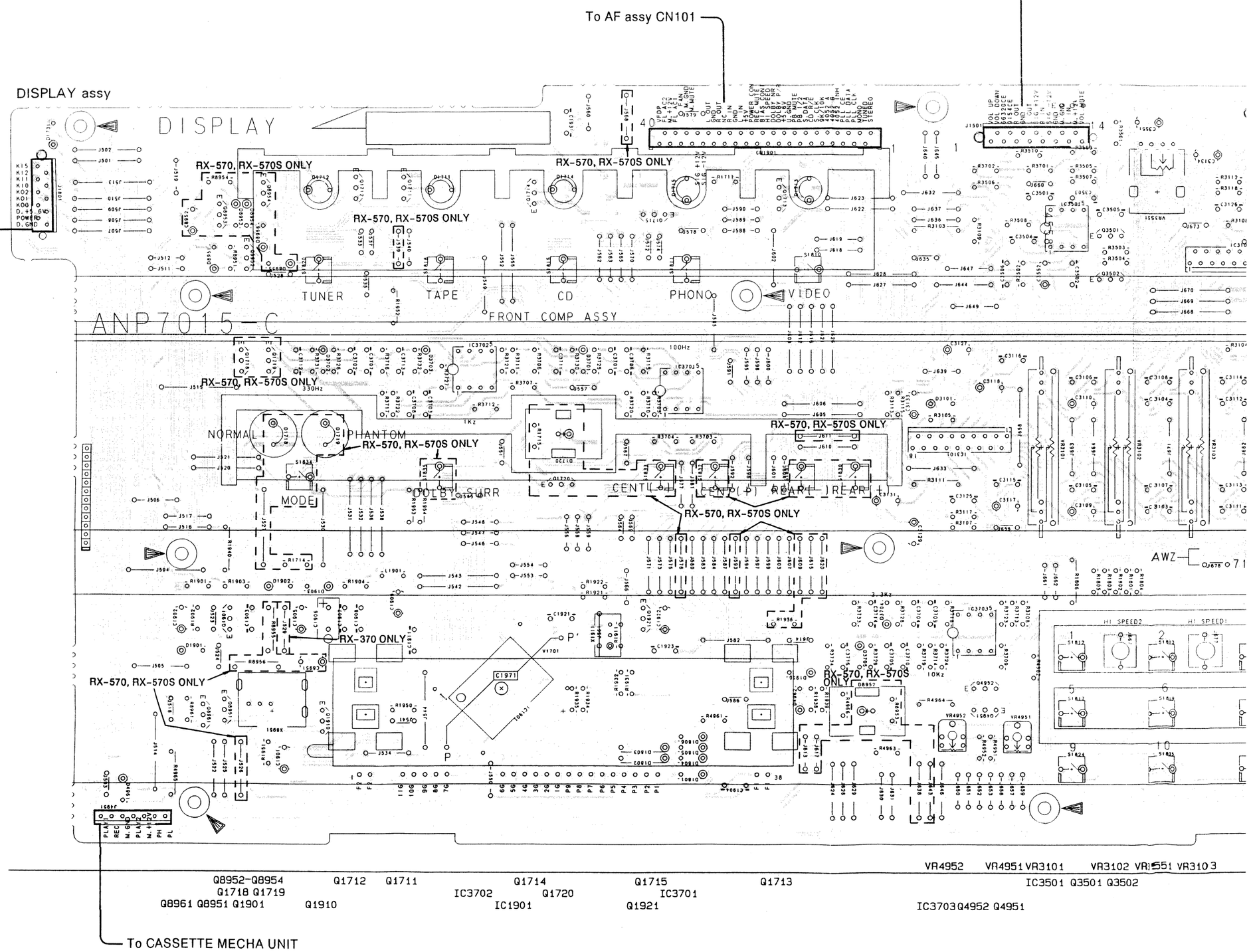
- This diagram is viewed from the foil side.


To AF assy CN101
POWER SW assy
DISPLAY assy
DISPLAY
RX-570, RX-570S ONLY
VIDEO
PHONO
CD
TAPE
TUNER
FRONT COMP ASSY
ANP7015-C
AWZ7167
CMK-P3X
PIONEER
POWER SW
POWER
PHANTOM
NORMAL
MODE
DOLBY SURR
CENT
REAR
HI SPEED1
HI SPEED2
RX-370 ONLY
MWA
F +
F −
BAND
MEMORY
FM MONO
AWZ
VR4952
VR4951 VR3101
VR3102 VR3551 VR3103
IC3501 Q3501 Q3502
IC3703 Q4952 Q4951
Q1713
Q1715
IC3701
Q1921
Q1714
IC3702
Q1720
IC1901
Q1711
Q1712
Q1910
Q8952–Q8954
Q1718 Q1719
Q8961 Q8951 Q1901
To CASSETTE MECHA UNIT

(8). DISPLAY ASSY, HEADPHONE ASSY, VOLUME ASSY, POWER SW ASSY AND TAPE IND ASSY

- This diagram is viewed from the mounted parts side.





VR4952 VR4951 VR3101 VR3102 VR3551 VR3103

Q8952-Q8954 Q1712 Q1711 Q1714 Q1715 Q1713 IC3501 Q3501 Q3502
Q1718 Q1719 IC3702 Q1720 IC3701
Q8961 Q8951 Q1901 Q1910 IC1901 Q1921 IC3703 Q4952 Q4951

ND

• This diagram is viewed from the mounted parts side.

To AF assy CN101

To AF assy CN201

VOLUME assy

RX-570, RX-570S ONLY

RX-370 ONLY

TAPE IND assy

To AF assy CN1203

HEADPHONE assy

RX-570, RX-570S ONLY

RX-370 ONLY

TAPE

CD

PHONO

VIDEO

FRONT COMP ASSY

CENTER

REAR

DOLBY SURR

CMK-P3X

PIONEER

AWZ7170

AWZ7163

HEAD PHONE

VR4952 VR4951 VR3101 VR3102 VR3551 VR3103 VR3104 VR3105

Q1711 Q1714 Q1715 Q1713 IC3501 Q3501 Q3502

IC3702 Q1720 IC3701

IC1901 Q1921 IC3703 Q4952 Q4951

RX-570, RX-570S ONLY

HEADPHONE assy (AWZ7163 : RX−570, RX−570S)

RX-370 ONLY

HEADPHONE assy (AWZ7262 : RX−370)

POWER SW

DISPLAY assy (AWZ7165 : RX−570, RX−570S)
(AWZ7164 : RX−370)

GRAPHIC EQUALIZER

LR BALANCE

SUPER BASS

BOOST

CUT

To AF assy CN1203 (→SCH-9)

To AF assy CN101 (→SCH-9)

To CASSETTE MECHA UNIT

FL DISPLAY

RX-370 ONLY

RX-570, RX-570S ONLY

HI SPEED

MULTI ROOM

TAPE IND assy (AWZ7170)

IC1901 : SYSTEM

SCH−8

DISPLAY ASSY, HEADPHONE ASSY,
VOLUME ASSY, POWER SW ASSY,
TAPE IND ASSY

RX-370 ONLY

RX-570, RX-570S)

HEADPHONE assy (AWZ7262 : RX-370)

To AF assy CN1203 (→SCH-9)

L(B)OUT
L IN
L(A)OUT
GND
R(A)OUT
R IN
R(B)OUT

POWER SW assy (AWZ7167)

BAND S1806
MEMORY S1805
POWER S1801
MONO S1804
F- S1802
F+ S1803
STAND BY

SIGNAL ROUTE
: FRONT SIGNAL
: CENTER SIGNAL
: SURROUND (REAR) SIGNAL

VOLUME

M.MUTE
M GND
L IN
M +12V
GND
-12V
R IN
+12V
L OUT
GND
R OUT
9154CE
66320CE
VOL DOWN
VOL UP

LR BALANCE

SUPER BASS

BOOST
CUT

RX-570, RX-570S ONLY

FL DISPLAY

IC1901
PDG110A

IC1901 : SYSTEM CONTROL

MULTI ROOM

RX-370 ONLY

SR OUT

TAPE IND assy (AWZ7170)

RESET

SCH-8

SIGNAL ROUTE
: FRONT SIGNAL
: CENTER SIGNAL
: SURROUND (REAR) SIGNAL

VOLUME assy (AWZ7169 : RX-570, RX-570S)
(AWZ7168 : RX-370)

VOLUME BUFFER

IC1502 : VOLUME MOTOR CONTROL

MOTOR VOLUME DRIVE

RX-370 ONLY

RX-570, RX-570S ONLY

To AF assy CN201 (→SCH-9)

SPEANA

100HZ

330Hz

1KHz

3.3KHz

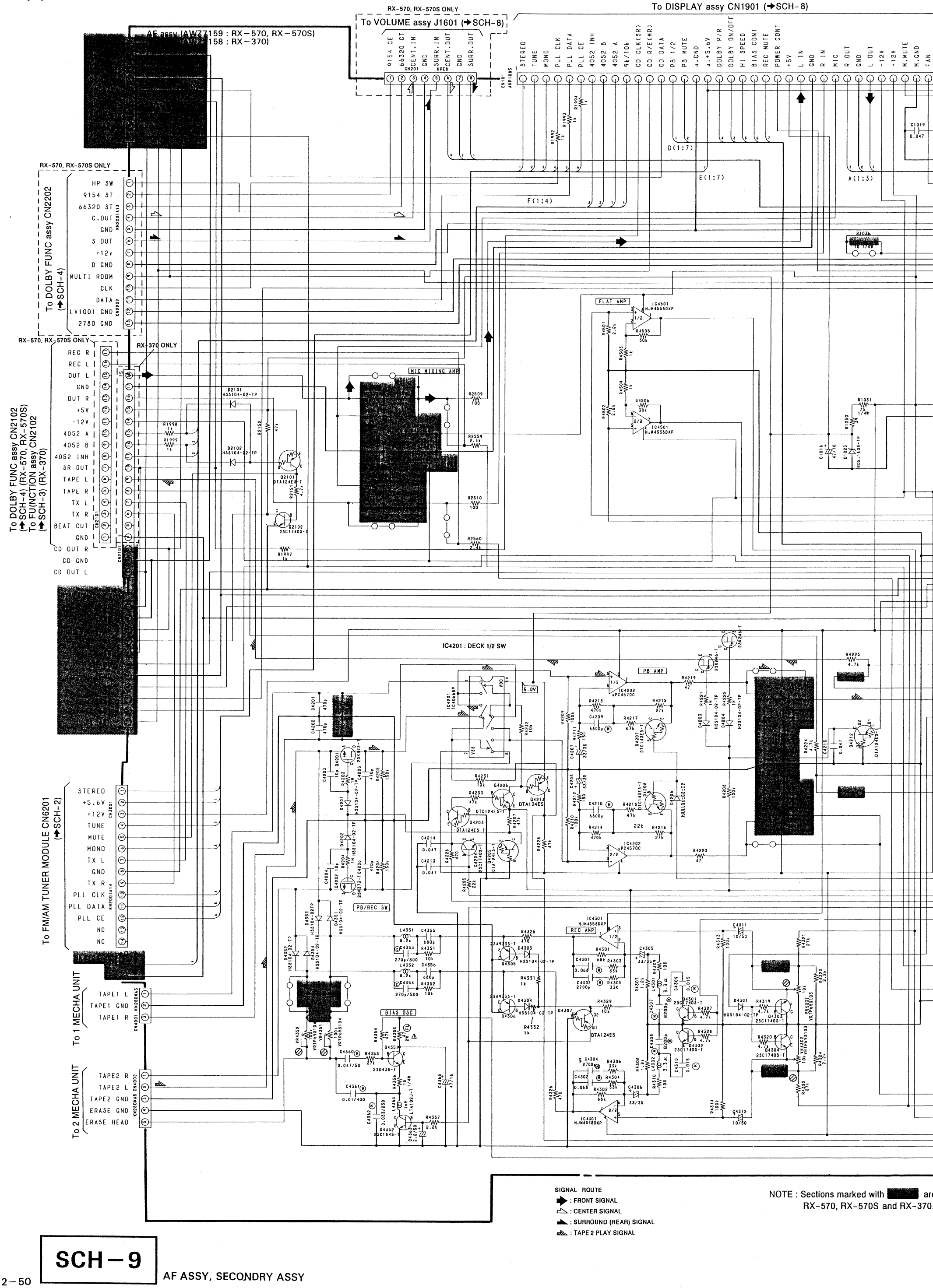
10KHz

RESET

DISPLAY ASSY, HEADPHONE ASSY,
VOLUME ASSY, POWER SW ASSY,
TAPE IND ASSY

SCH-8

(9). AF ASSY AND SECONDRY ASSY



SCH-9

AF ASSY, SECONDRY ASSY

To DISPLAY assy CN1901 (➔SCH-8)

To REAR, PWR, PRTEC assy CN7101 (➔SCH-6) (RX-570, RX-570S)
To PWR, PRTEC assy CN7101 (➔SCH-7) (RX-370)

RX-570, RX-570S ONLY
To REAR, PWR, PRTEC assy CN7101(➔SCH-6)

To FRONT

CN1101 AKP1065 — STEREO, TUNE, MONO, PLL CLK, PLL DATA, PLL CE, 4052 INH, 4052 B, 4052 A, 9k/10k, CD CLK(SR), CD R/E(MR), CD DATA, PB 1/2, PB MUTE, u.GND, u.+5.6V, DOLBY P/R, DOLBY ON/OFF, HI SPEED, BIAS CONT, REC MUTE, POWER CONT, +5V, L IN, GND, R IN, MIC, R OUT, GND, L OUT, -12V, +12V, M.MUTE, M.GND, FAN, FL AC1, M.+12V, FL AC2, VFDP (40)

D16A12-100-2651 J1001 — +12V(M), UNREG -12V, AC, -12V, MUTE, REF.GND, BLOW, REG.GND, UNREG +5.6V, UNREG +12V, +5.6V, +12V

CN1002 AKT1006 — B(1:4)

CN1003 KP250NA8 — S. IN, SUB.GND, C. IN, SHORT, +B2 48.3V, -B2 48.2V, C. OUT, S. OUT

CN1001 — REF.GND, L OUT, R OUT, FAN

F(1:4), D(1:7), E(1:7), A(1:3), C(1:3)

RX-570, RX-570S ONLY

FLAT AMP — IC4501 NJM4558DXP (1/2, 2/2)

PB AMP — IC4202 μPC4570C (1/2, 2/2)

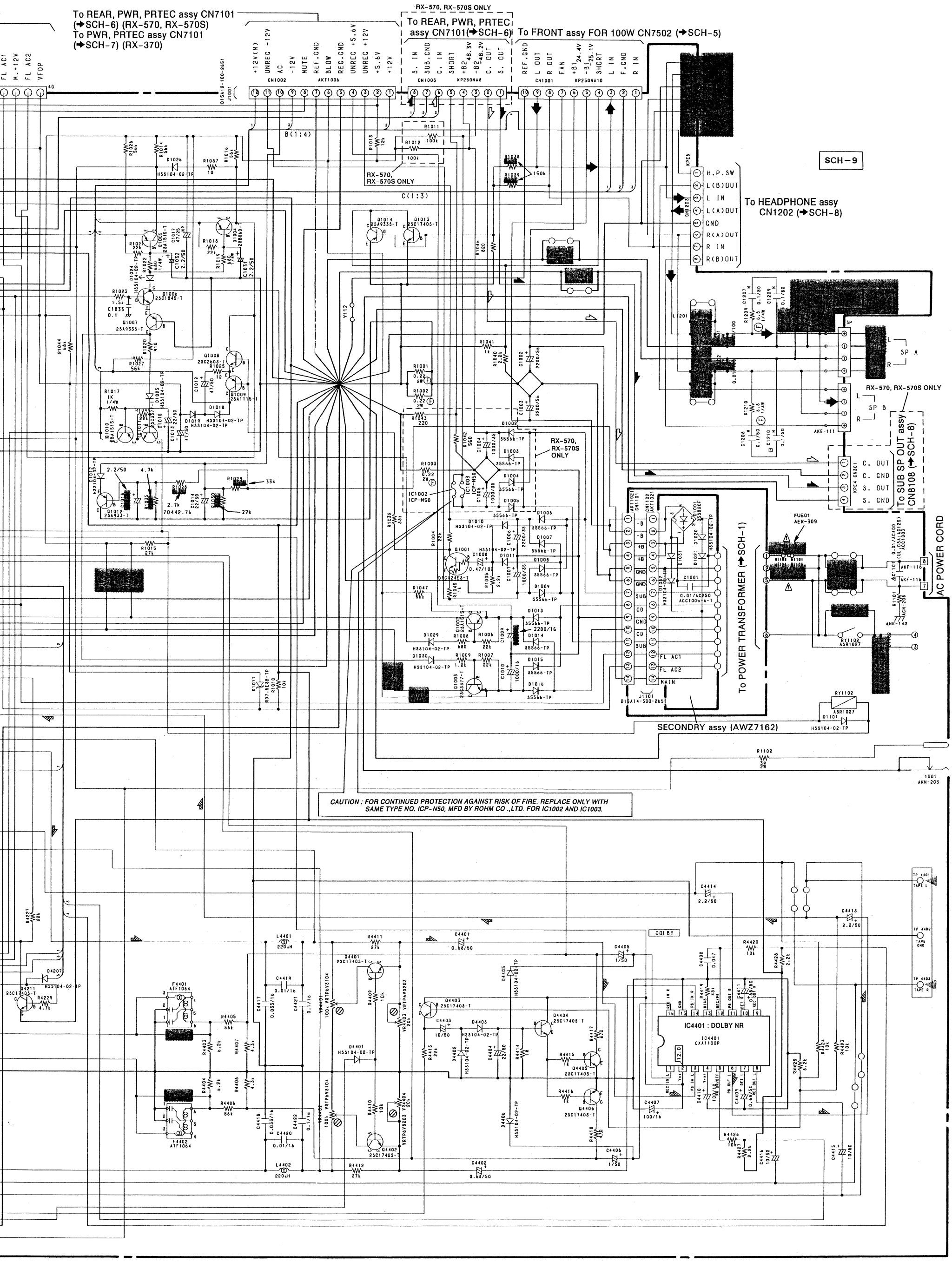
REC AMP — IC4301 NJM4558DXP (1/2, 2/2)

IC1002 ICP-N50

CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLAC
SAME TYPE NO. ICP-N50, MFD BY ROHM CO .,LTD. FOR IC1002 .

SIGNAL ROUTE
- : FRONT SIGNAL
- : CENTER SIGNAL
- : SURROUND (REAR) SIGNAL
- : TAPE 2 PLAY SIGNAL

NOTE : Sections marked with [redacted] are not used for RX-570, RX-570S and RX-370.


To REAR, PWR, PRTEC assy CN7101 (➔SCH-6) (RX-570, RX-570S)
To PWR, PRTEC assy CN7101 (➔SCH-7) (RX-370)
RX-570, RX-570S ONLY
To REAR, PWR, PRTEC assy CN7101(➔SCH-6)
To FRONT assy FOR 100W CN7502 (➔SCH-5)
SCH-9
To HEADPHONE assy CN1202 (➔SCH-8)
RX-570, RX-570S ONLY
To SUB SP OUT assy CN8108 (➔SCH-8)
AC POWER CORD
To POWER TRANSFORMER (➔SCH-1)
SECONDRY assy (AWZ7162)
IC1002 ICP-N50
IC4401 : DOLBY NR
IC4401 CXA1100P
DOLBY
CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO. ICP-N50, MFD BY ROHM CO .,LTD. FOR IC1002 AND IC1003.

e not used for

AF assy

To VOLUME assy J1601 (A)

To 1MECHA UNIT (B)

To DISPLAY assy CN1901 (C)

To 2MECHA UNIT

To DOLBY FUNC assy CN2202 (RX-570, RX-570S ONLY)

To FM/AM TUNER MODULE CN6201

To DOLBY FUNC assy (RX-570, RX-570S)
To FUNCTION assy (RX-370) CN2102

Q1006
Q1007
Q1005
Q4351 Q4203 Q1008 Q1004
Q1011
Q4206 Q1009 Q1010
Q4352
Q4307 Q1012
Q1001
Q4306
Q4305
Q4201
Q4202
Q4301 IC4201
Q4211
Q4302 Q4213 Q1013
IC4301 Q1014
Q4208
Q4303
Q4304
IC4202 IC1002 IC1003
Q2101 Q4212
Q4207
Q2102

VR4352
VR4351
VR4301
VR4302

Q4404 Q4401
Q4406 Q4403
Q4407
IC4401
Q4210
Q4209

VR4401
VR4404

ANP7013-E
CMK-P3X
PIONEER
RX-570, RX-570S ONLY
RX-370 ONLY
RX-570, RX-570S ONLY
RX-370 ONLY (Jumper)
RX-570, RX-570S ONLY
RX-570, RX-570S ONLY
TAPE TP
RX-570, RX-570S ONLY
RX-370 ONLY
RX-570, RX-570S ONLY
RX-370 ONLY
RX-570, RX-570S ONLY
CXA1100P
ICP-N15
T1AL250V
AWK7043 ONLY
AWK7044 ONLY
DC OUT
SP OUT
CAUTION
REPLACE WITH THE SAME TYPE NO. ICP-N15 MANUFACTURED BY ROHM CO. LTD. FOR IC1001
CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACEMENT FUSES SHOULD BE OF THE SAME TYPE AND RATINGS ONLY.
ATTENTION
POUR LES PRECAUTIONS CONTINUELLES CONTRE L'INSENDLE, LES FUSIBLES A REMPLACER DOIVENT ETRE LES MEMES TYPES VALEURS NOMINALS UNIQUEMENT.
ATTENTION
REPLACER AVEC CAT. NO. ICP-N15 POUR IC1001.
MFD. BY ROHM CO. LTD.
NEUTRAL LIVE
FU1101

ssy

ANP7013-E

CMK-P3X △ PIONEER

RX-570, RX-570S ONLY

RX-570, RX-570S ONLY

RX-570, RX-570S ONLY

RX-570, RX-570S ONLY

RX-570, RX-570S ONLY

RX-570, RX-570S ONLY

RX-370 ONLY (Jumper)

RX-570, RX-570S ONLY

RX-370 ONLY

RX-370 ONLY

RX-570, RX-570S ONLY

RX-570, RX-570S ONLY

RX-570, RX-570S ONLY

CAUTION
REPLACE WITH THE SAME TYPE NO.!
ICP-N15 MANUFACTURED BY ROHM CO. LTD. FOR IC1001

CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACEMENT FUSES SHOULD BE OF THE SAME TYPE AND RATINGS ONLY.

ATTENTION
POUR LES PRECAUTIONS CONTINUELLES CONTRE L'INSENDIE, LES FUSIBLES DE REMPLACER DOIVENT ETRE LES MEMES TYPES ET VALEURS NOMINALS UNIQUEMENT.

ATTENTION
REPLACER AVEC CAT. NO. ICP-N15 POUR IC1001. MFD. BY ROHM CO. LTD.

WARNING
SOLDER USED IN THIS PRODUCT IS LISTED AS A KNOWN REPRODUCTIVE TOXICANT BY THE CALIFORNIA HEALTH AND WELFARE AGENCY. ALSO, CERTAIN ELECTRICAL PARTS MAY CONTAIN CHEMICALS LISTED AS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. [CALIFORNIA HEALTH & SAFETY CODE, SECTION 25249.5] FOLLOW MANUFACTURER'S SERVICE INSTRUCTIONS AND USE PROPER PRECAUTIONS.

- This diagram is viewed from the mounted parts side.

To HEADPHONE assy J1201

To REAR, PWR, PRTEC assy (RX-570, RX-570S)
To PWR, PRTEC assy (RX-370)
CN7101

To REAR, PWR, PRTEC assy (RX-570, RX-570S)
CN7102

To FRONT ASSY FOR 100W CN7502

To SUB SP OUT assy CN8108 (RX-570, RX-570S ONLY)

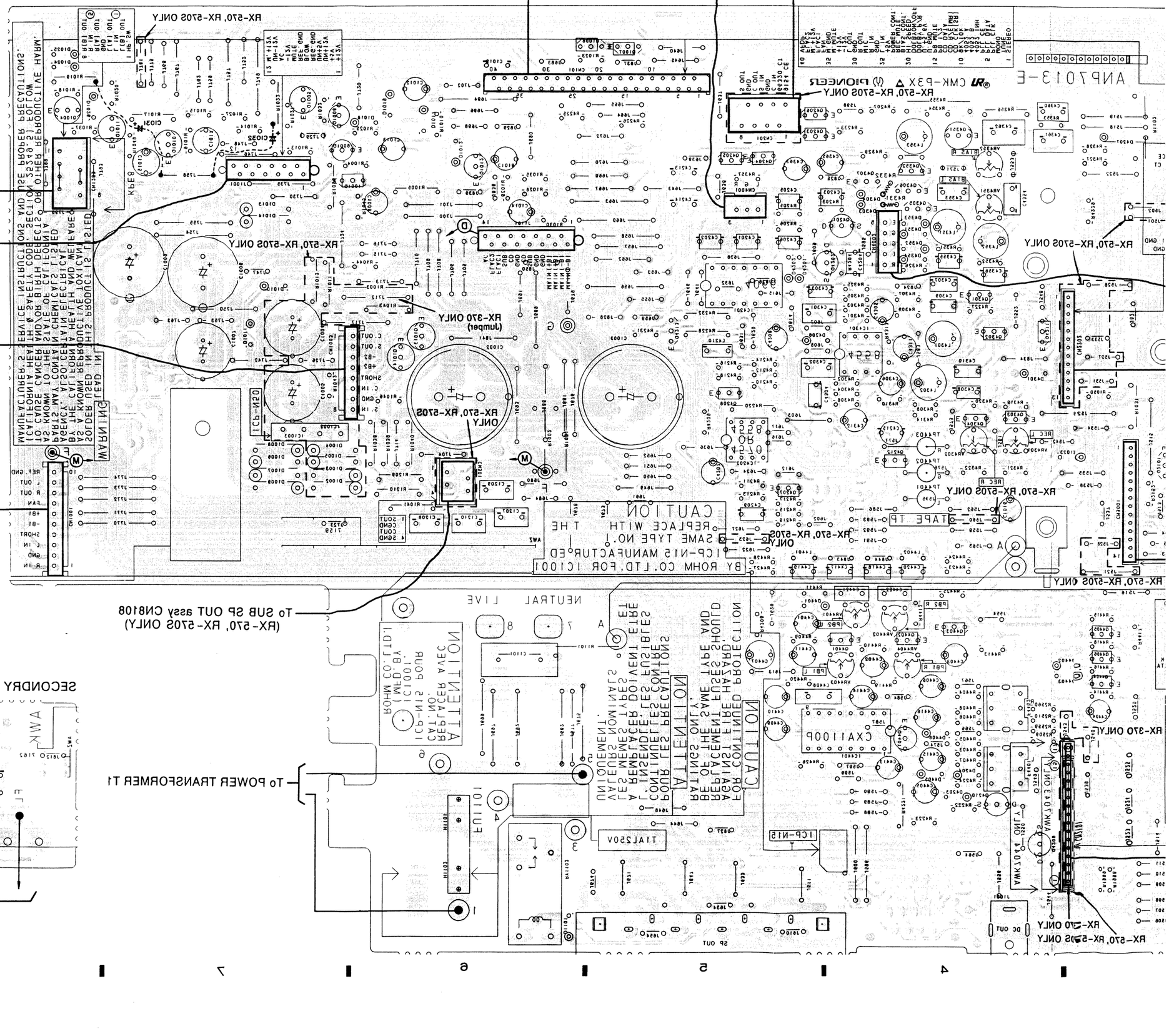
To POWER TRANSFORMER T1

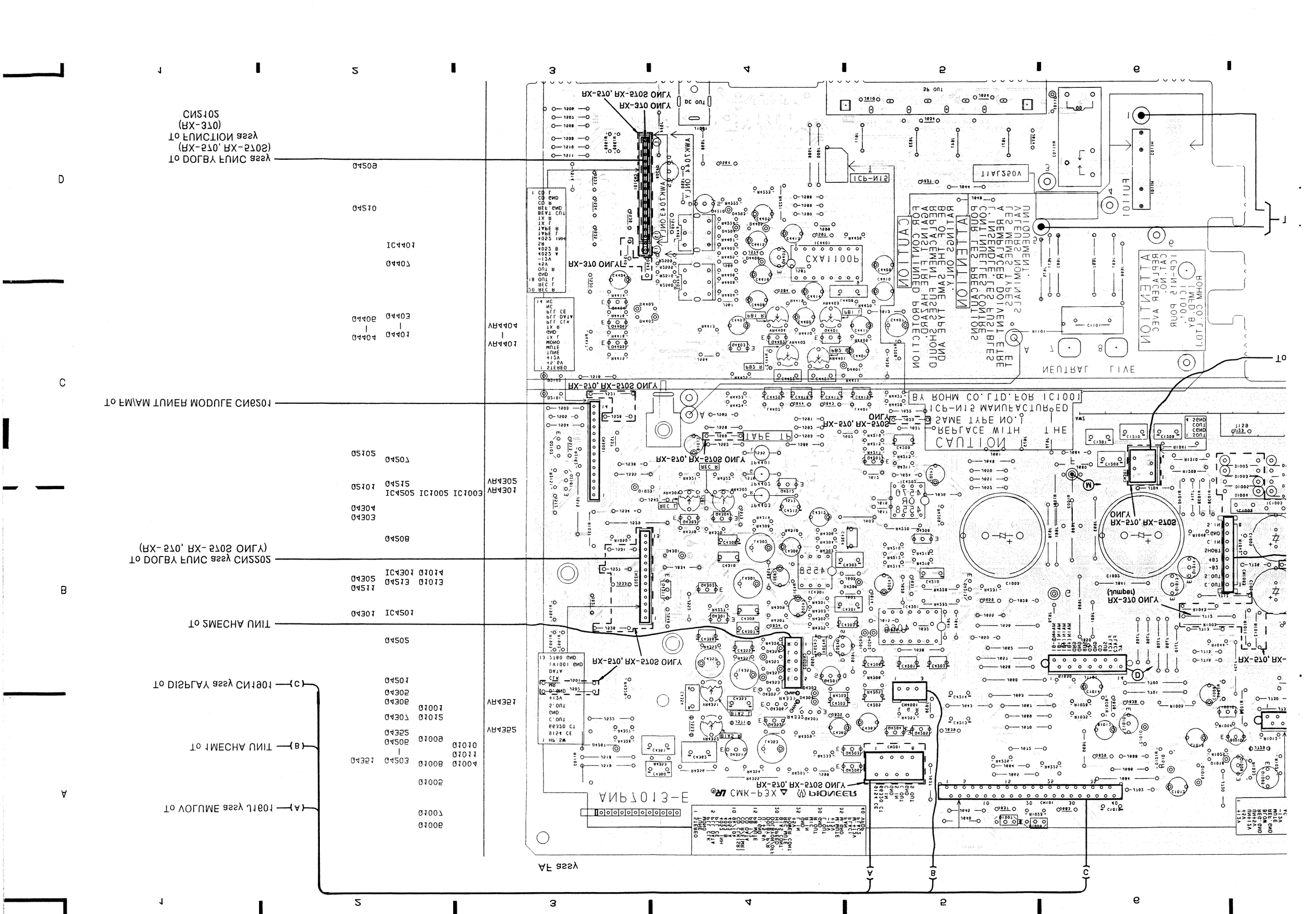
SECONDRY assy

PIONEER CMK-P3X △

To POWER TRANSFORMER T1

- This diagram is viewed from the foil side.


To HEADPHONE assy J1201
To REAR, PWR, PRTEC assy (RX-570, RX-570S) To PWR, PRTEC assy (RX-370) CN7101
To REAR, PWR, PRTEC assy (RX-570, RX-570S) CN7102
To FRONT ASSY FOR 100W CN7502
To SUB SP OUT assy CN8108 (RX-570, RX-570S ONLY)
To POWER TRANSFORMER T1
RX-570, RX-570S ONLY
RX-370 ONLY (Jumper)
CAUTION
REPLACE WITH THE SAME TYPE NO. ICP-N15 MANUFACTURED BY ROHM CO.,LTD. FOR IC1001
NOTICE
FOR REPLACEMENT OF FUSE, USE ONLY A FUSE OF IDENTICAL VOLTAGE, CURRENT AND TIME RATINGS AS SPECIFIED ON THE ORIGINAL FUSE. USE OF IMPROPER FUSES OR SHORTING OF FUSEHOLDER IS PROHIBITED.
SECONDARY assy
To POWER TRANSFORMER T1


TO DOLBY FUNC assy CN5505 (AX-210, AX-210S)
TO FUNCTION assy (AX-210, AX-210S) CN5105
TO AM/AM TUNER MODULE CN8501
TO MECHA UNIT
TO DISPLAY assy CN1001
TO VOLUME assy TL001
AX-210 ONLY
AX-210, AX-210S ONLY
CAUTION
REPLACE WITH THE SAME TYPE NO. FUSE(S).
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE FUSE(S) ONLY WITH SAME TYPE AND RATINGS.
ATTENTION
POUR CONTINUER LA PROTECTION CONTRE LES RISQUES D'INCENDIE, REMPLACER LES FUSIBLES SEULEMENT PAR DES FUSIBLES DE MEME TYPE ET DE MEME CALIBRE.
NEUTRAL
LIVE
PIONEER
CWK-6X
AWM1013-E

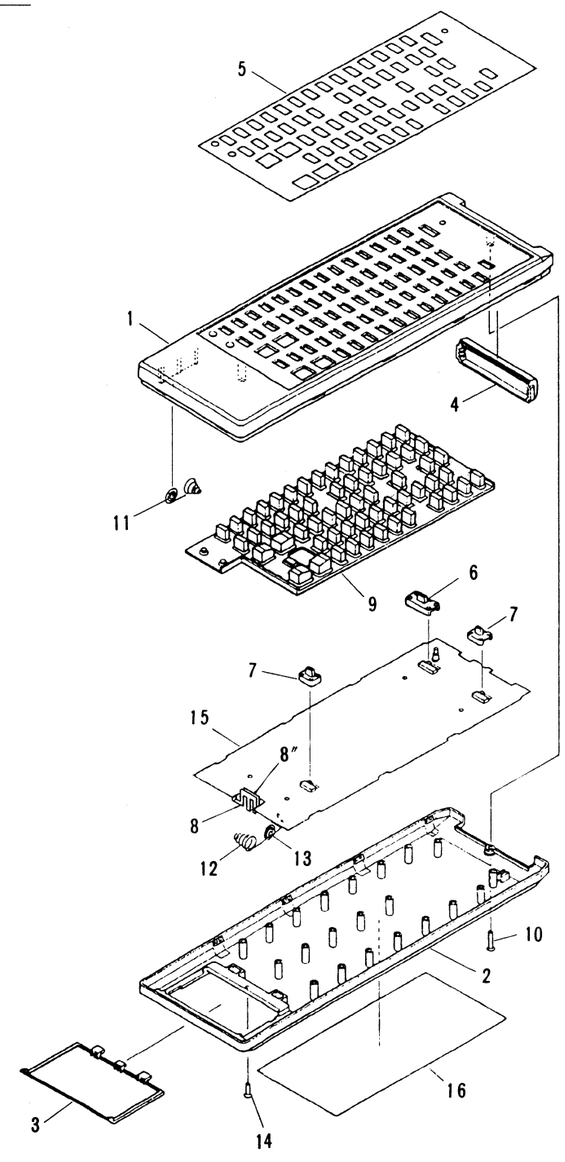
2.4 REMOTE CONTROL UNIT [CU−AV010 (AXD7014)]

(1). EXPLODED VIEW AND PARTS LIST

NOTES :

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*

Mark	No.	Description	Parts No.
	1	CASE (A)	AZN1968
	2	CASE (B)	AZN1969
	3	BATTERY COVER	AZN1970
	4	FILTER	AZA1139
	5	PLATE	AZA7029
	6	KNOB (A)	AZA1142
	7	KNOB (B)	AZA1143
	8	REMOTE POWER [SW1 (A)]	AZS1077
	8″	REMOTE POWER [SW1 (B)]	AZS1092
	9	RUBBER SHEET	AZA7030
	10	SCREW	AZA1146
	11	ELECTRODE SPRING	AZB1268
	12	ELECTRODE SPRING	AZB1269
	13	ELECTRODE SPRING	AZB1270
	14	SCREW	AZA1298
	15	P. C. BOARD	AZW1060
	16	LABEL	AZA1241



(2). PCB PARTS LIST

NOTES :

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560Ω → 56 × 10^1 → 561 ····· RD1/8PM 5 6 1 J
47kΩ → 47 × 10^3 → 473 ····· RD1/4PS 4 7 3 J
0.5Ω → 0R5 ····· RN2H 0 R 5 K
1Ω → 010 ····· RS1P 0 1 0 K

Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62kΩ → 562 × 10^1 → 5621 ····· RM1/4PC 5 6 2 1 F

Mark	No.	Description	Parts No.
SEMICONDUCTORS			
	IC1		PDG101A
	IC2		AZC1232
	Q1		AZC1229
	Q2		AZC1230
	Q3		AZC1231
	D2		AZC1224
	D4		AZC1225
	D5		AZC1226
	D6−D9, D11		AZC1228
	D10		AZC1227
SWITCHES			
	S01, S06	Slide switch (AUDIO/VIDEO, CENTER/REAR)	AZS1073
	S03, S04	Slide switch (SR RECALL/USE/LEARN)	AZS1074
	SW1 (A)	REMOTE POWER	AZS1092
	SW1 (B)	REMOTE POWER	AZS1077
CAPACITORS			
	C1, C2 (100μF/6V)		AZC1253
	C3 (10μF/16V)		AZC1254
	C4, C5 (100pF)		AZC1222
	C6, C8−C10 (0.01μF)		AZC1220
	C7 (1000pF)		AZC1221

Mark	No.	Description	Parts No.
RESISTORS			
	R2 (2.7Ω)		AZC1219
	R3 (100kΩ)		AZC1210
	R4 (680Ω)		AZC1217
	R5 (8.2kΩ)		AZC1214
	R6 (4.7kΩ)		AZC1215
	R7 (33kΩ)		AZC1211
	R8 (1.1MΩ)		AZC1261
	R9 (1kΩ)		AZC1216
	R10 (10kΩ)		AZC1213
	R11 (22kΩ)		AZC1212
OTHERS			
	X1	Ceramic resonator (2.0MHz)	AZC1223

(3). SCHEMATIC DIAGRAM

NOTE FOR SCHEMATIC DIAGRAMS (Type 2A)

1. **When ordering service parts, be sure to refer to "PARTS LIST of EXPLODED VIEWS" or "PCB PARTS LIST".**
2. **Since these are basic circuits, some parts of them or the values of some components may be changed for improvement.**
3. **RESISTORS:**
   Unit: kΩ, MΩ, or Ω unless otherwise noted.
   Rated power: 1/4W, 1/6W, 1/8W, 1/10W unless otherwise noted.
   Tolerance: (F): ±1%, (G): ±2%, (K): ±10%, (M): ±20% or ±5% unless otherwise noted.
4. **CAPACITORS:**
   Unit: p:pF or μF unless otherwise noted.
   Ratings: capacitor (μF)/ voltage (V) unless otherwise noted.
   Rated voltage: 50V except for electrolytic capacitors.
5. **COILS:**
   Unit: m:mH or μH unless otherwise noted.
6. **VOLTAGE AND CURRENT:**
   ⏥ or ⊢ V :
   DC voltage (V) at no input signal unless otherwise noted.
   ⇨ mA or ⊢ mA :
   DC current at no input signal unless otherwise noted.
7. **OTHERS:**
   - ⊘ or ⊘ : Adjusting point.
   - • : Measurement point.
   - The ⚠ mark found on some component parts indicates the importance of the safety factor of the parts. Therefore, when replacing, be sure to use parts of identical designation.
8. **SCH–□ ON THE SCHEMATIC DIAGRAM:**
   - SCH–□ indicates the drawing number of the schematic diagram. (SCH stands for schematic diagram.)
9. **SWITCHES** (Underline indicates switch position):

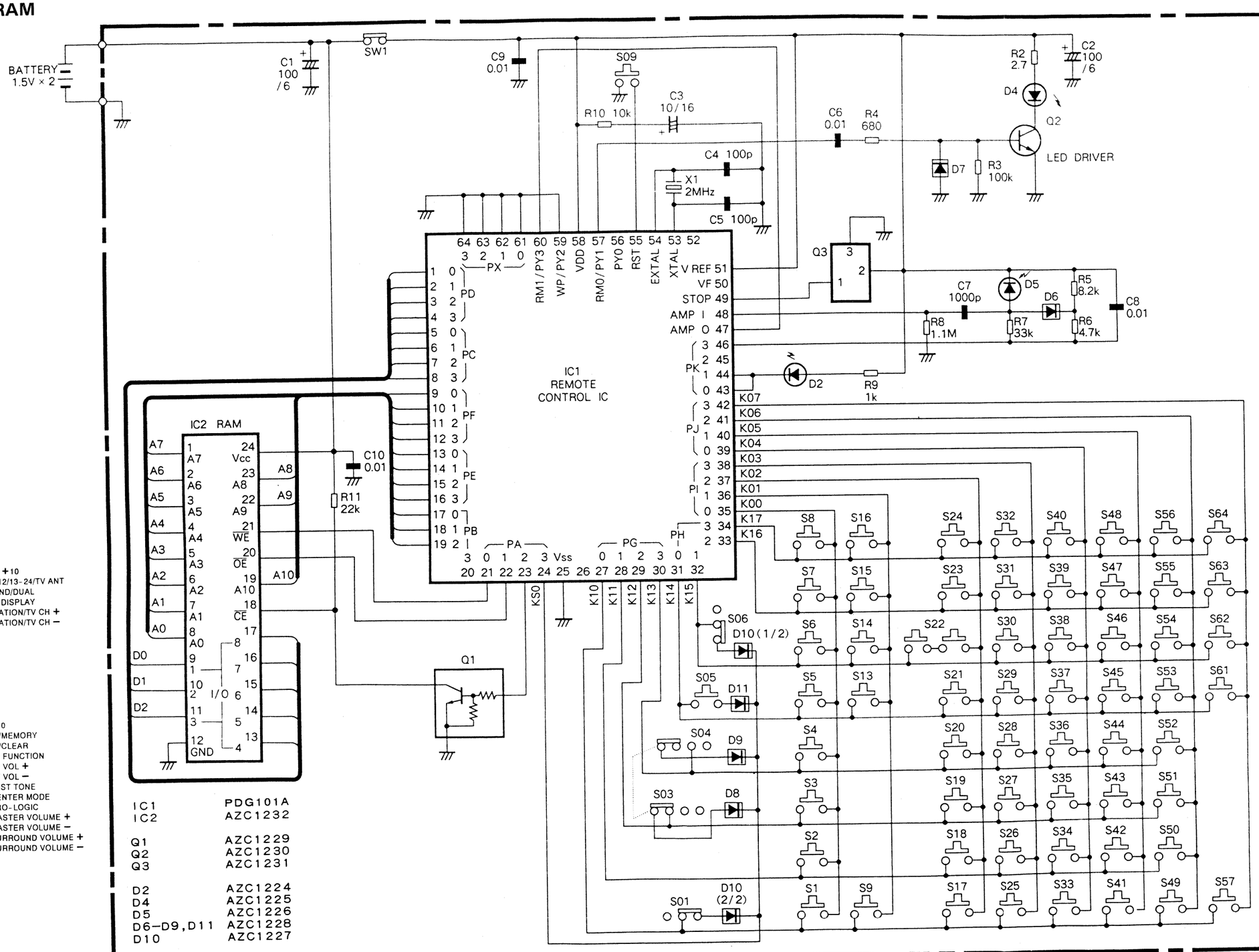
SW1 : REMOTE POWER
S01 : AUDIO/VIDEO
S05 : MEMORY CLEAR
S09 : RESET

	SR RECALL	USE	LEARN
S03	ON	OFF	OFF
S04	OFF	OFF	ON

	CENTER	REAR
S06	ON	OFF

S1 : AMP
S2 : TV — POWER
S3 : LD
S4 : SUPER BASS
S5 : VIDEO
S6 : TAPE
S7 : TUNER
S8 : PHONO
S9 : CD
S13 : PGM
S14 : DISC/DISPLAY
S15 : ⏮/CHP/FR-TM
S16 : ⏭SEARCH
S17 : ◀◀ — CD/LD
S18 : ⏸
S19 : ■
S20 : ▶
S21 : ▶▶
S22 : ●(REC) — VCR
S23 : ⏸ — TAPE/VCR
S24 : ◀◀
S25 : ◀/TV/VCR
S26 : ■ — VCR
S27 : ▶
S28 : ▶▶
S29 : TV
S30 : LD
S31 : VCR — TV/VCR
S32 : CH –
S33 : CH +

S34 : CD +10
S35 : 1-12/13-24/TV ANT
S36 : BAND/DUAL
S37 : TV DISPLAY
S38 : STATION/TV CH +
S39 : STATION/TV CH –
S40 : 1
S41 : 2
S42 : 3
S43 : 4
S44 : 5
S45 : 6
S46 : 7
S47 : 8
S48 : 9
S49 : 0/10
S50 : 11/MEMORY
S51 : 12/CLEAR
S52 : TV FUNCTION
S53 : TV VOL +
S54 : TV VOL –
S55 : TEST TONE
S56 : CENTER MODE
S57 : PRO-LOGIC
S61 : MASTER VOLUME +
S62 : MASTER VOLUME –
S63 : SURROUND VOLUME +
S64 : SURROUND VOLUME –

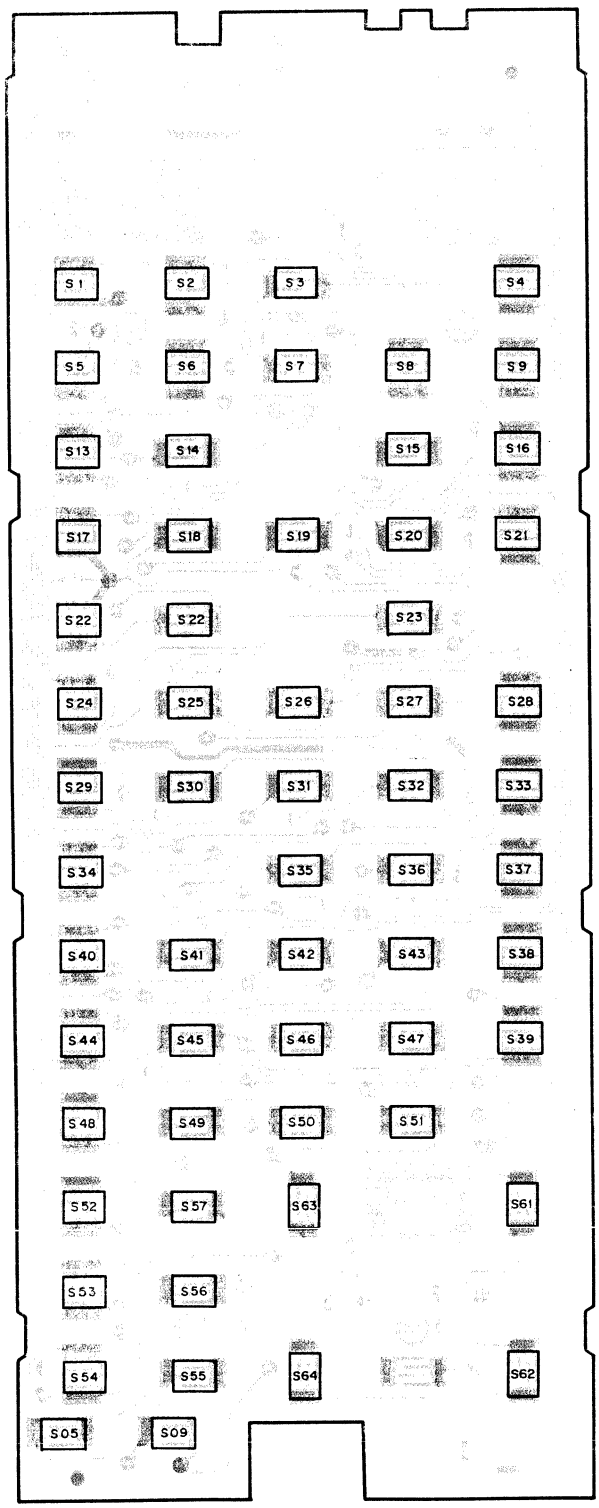


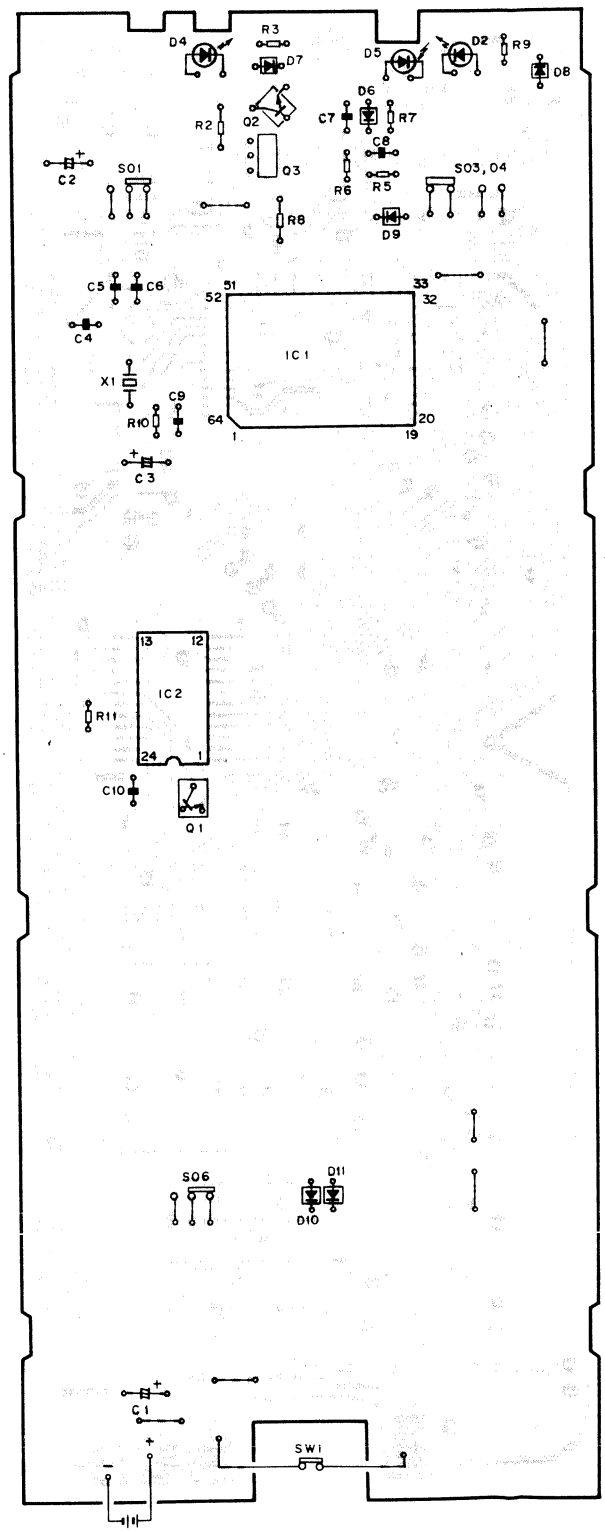
IC1	PDG101A
IC2	AZC1232
Q1	AZC1229
Q2	AZC1230
Q3	AZC1231
D2	AZC1224
D4	AZC1225
D5	AZC1226
D6–D9, D11	AZC1228
D10	AZC1227

SCHEMATIC DIAGRAM SCH–10

(4). PCB PATTERN

PCB-8





—▭— : Indicates a chip resistor.

—|— : Indicates a chip capacitor.

: Indicates a chip transistor.

: Indicates a chip diode.